

- FIGURE 1 -

(ARNICA32.D03) AU

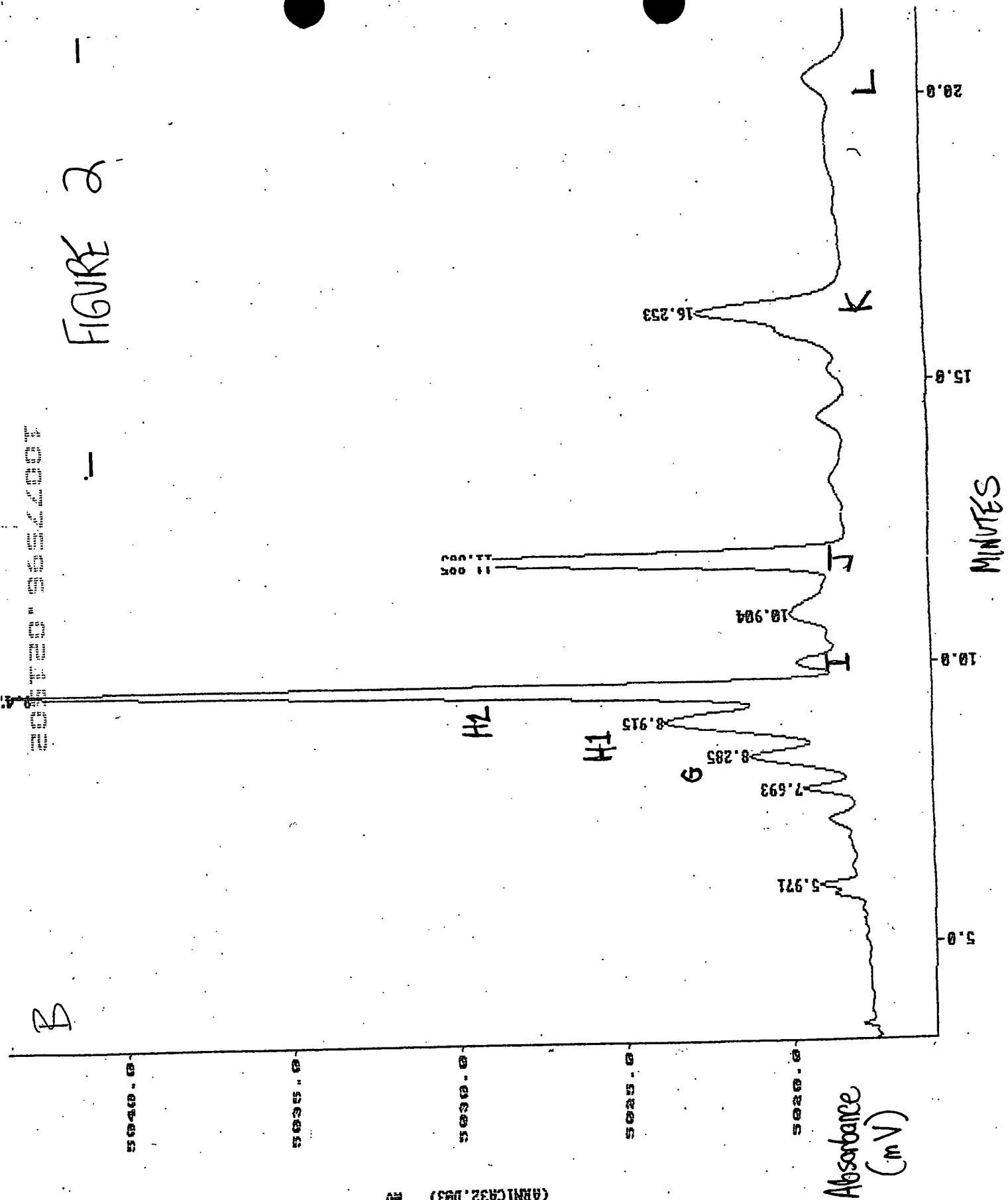


FIGURE 2

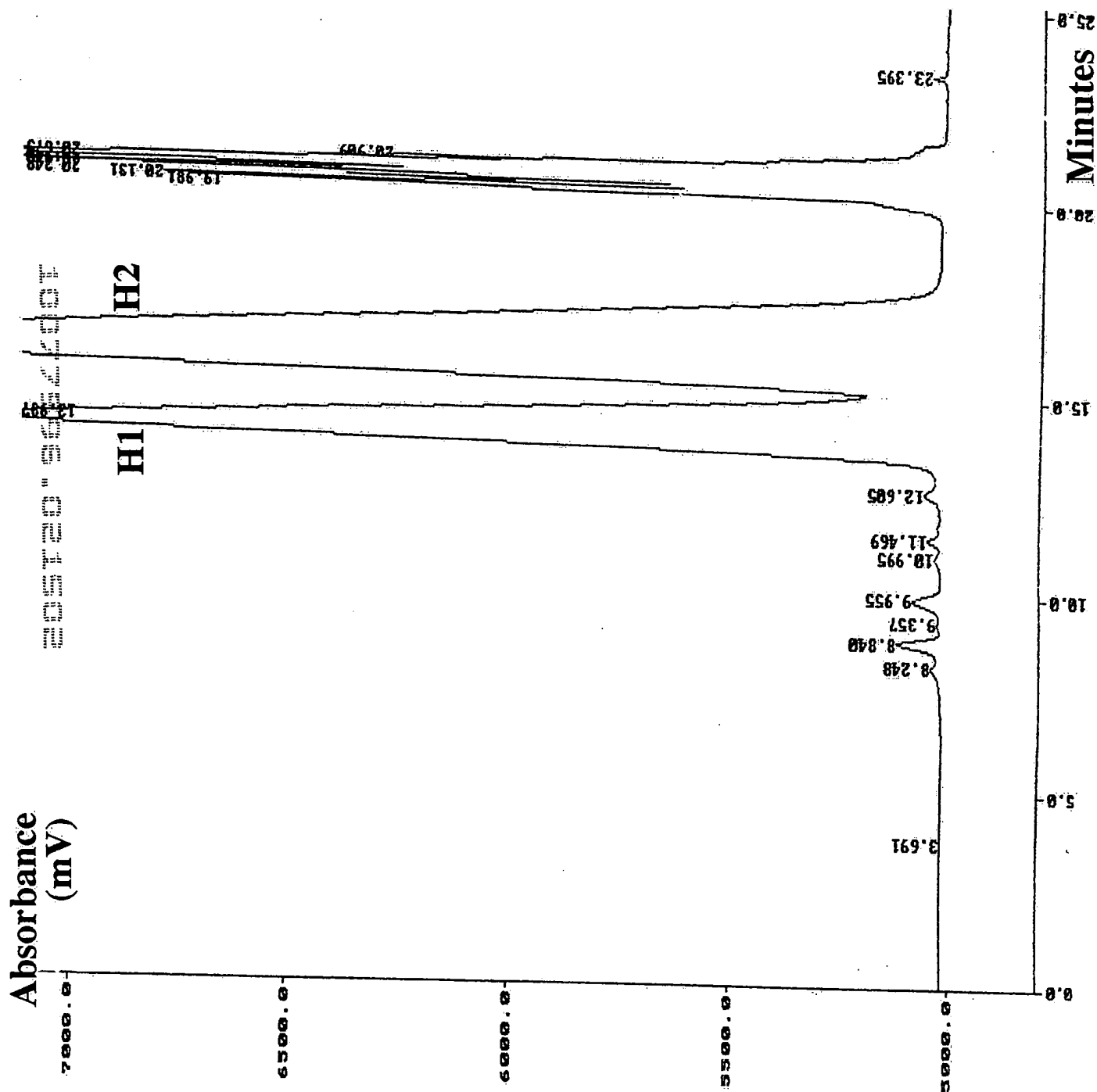
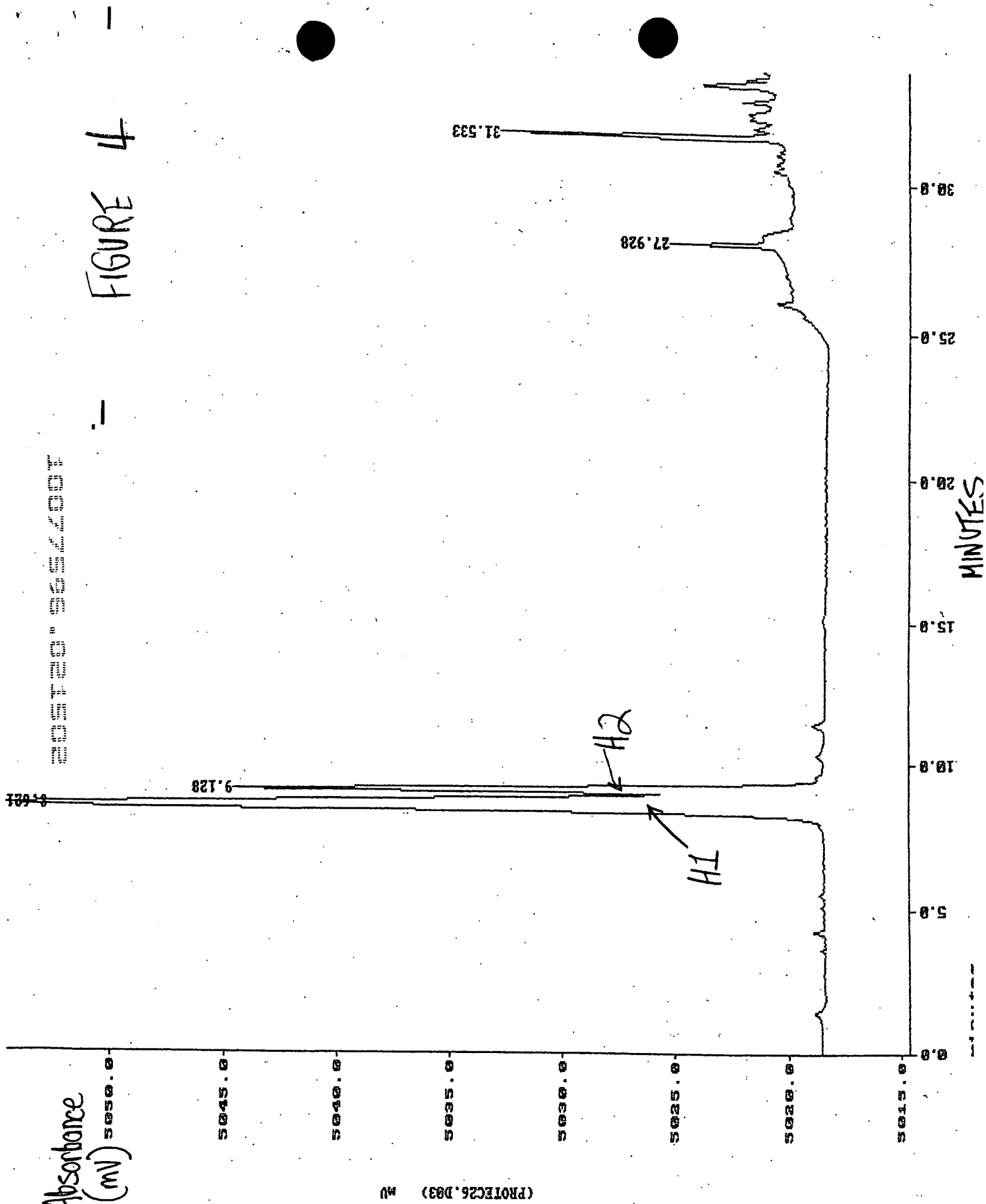


FIGURE 3



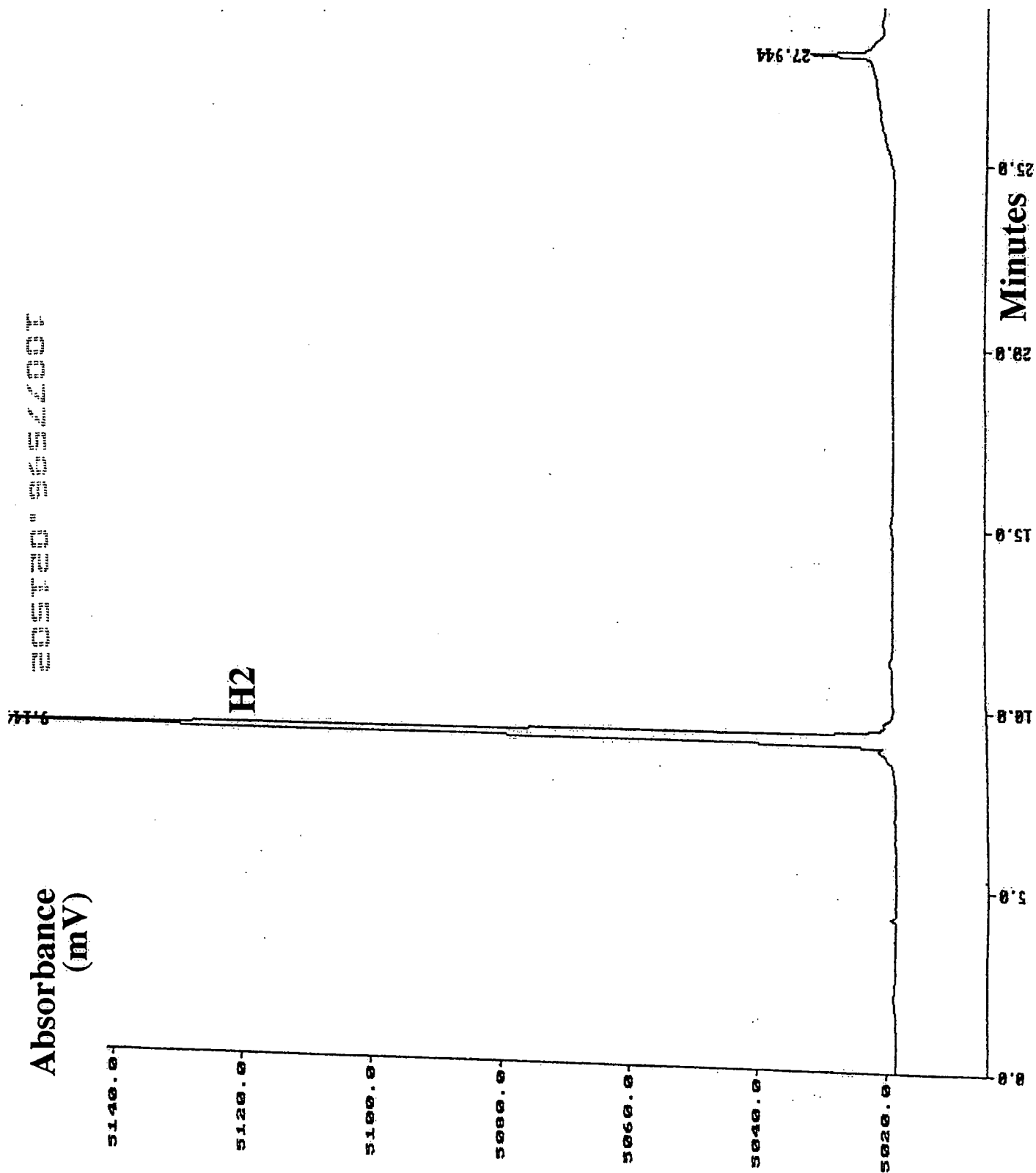


FIGURE 5

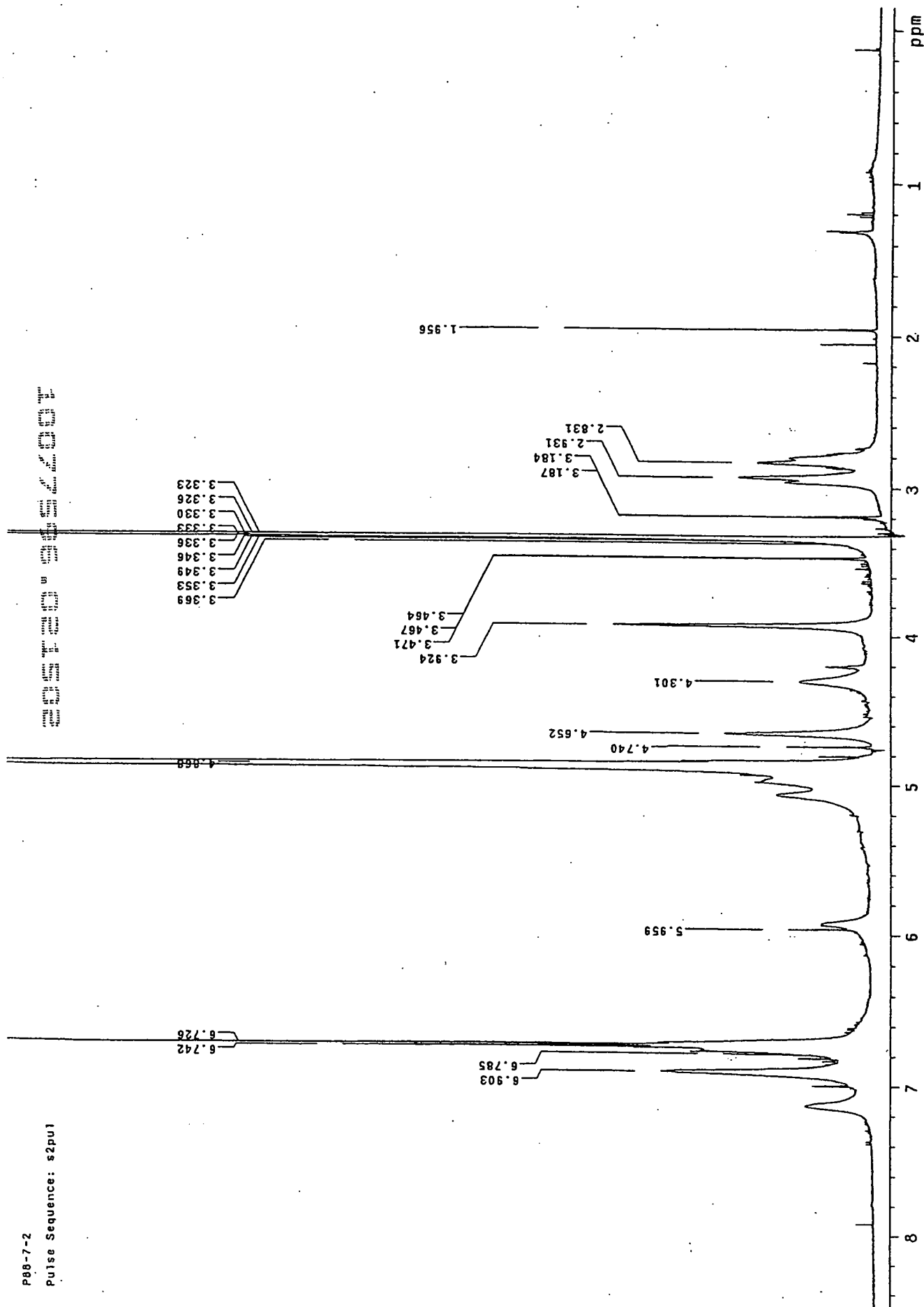


FIGURE 6

48.451 48.728 48.802 48.831 48.861 48.890 48.918 48.948 48.977 49.006 49.035 49.064 49.093 49.122 49.151 49.180 49.209 49.238 49.267 49.296 49.325 49.354 49.383 49.412 49.441 49.470 49.499 49.528 49.557 49.586 49.615 49.644 49.673 49.702 49.731 49.760 49.789 49.818 49.847 49.876 49.905 49.934 49.963 49.992 50.021 50.050 50.079 50.108 50.137 50.166 50.195 50.224 50.253 50.282 50.311 50.340 50.369 50.398 50.427 50.456 50.485 50.514 50.543 50.572 50.601 50.630 50.659 50.688 50.717 50.746 50.775 50.804 50.833 50.862 50.891 50.920 50.949 50.978 51.007 51.036 51.065 51.094 51.123 51.152 51.181 51.210 51.239 51.268 51.297 51.326 51.355 51.384 51.413 51.442 51.471 51.500 51.529 51.558 51.587 51.616 51.645 51.674 51.703 51.732 51.761 51.790 51.819 51.848 51.877 51.906 51.935 51.964 51.993 52.022 52.051 52.080 52.109 52.138 52.167 52.196 52.225 52.254 52.283 52.312 52.341 52.370 52.399 52.428 52.457 52.486 52.515 52.544 52.573 52.602 52.631 52.660 52.689 52.718 52.747 52.776 52.805 52.834 52.863 52.892 52.921 52.950 52.979 53.008 53.037 53.066 53.095 53.124 53.153 53.182 53.211 53.240 53.269 53.298 53.327 53.356 53.385 53.414 53.443 53.472 53.501 53.530 53.559 53.588 53.617 53.646 53.675 53.704 53.733 53.762 53.791 53.820 53.849 53.878 53.907 53.936 53.965 53.994 54.023 54.052 54.081 54.110 54.139 54.168 54.197 54.226 54.255 54.284 54.313 54.342 54.371 54.400 54.429 54.458 54.487 54.516 54.545 54.574 54.603 54.632 54.661 54.690 54.719 54.748 54.777 54.806 54.835 54.864 54.893 54.922 54.951 54.980 55.009 55.038 55.067 55.096 55.125 55.154 55.183 55.212 55.241 55.270 55.299 55.328 55.357 55.386 55.415 55.444 55.473 55.502 55.531 55.560 55.589 55.618 55.647 55.676 55.705 55.734 55.763 55.792 55.821 55.850 55.879 55.908 55.937 55.966 55.995 56.024 56.053 56.082 56.111 56.140 56.169 56.198 56.227 56.256 56.285 56.314 56.343 56.372 56.401 56.430 56.459 56.488 56.517 56.546 56.575 56.604 56.633 56.662 56.691 56.720 56.749 56.778 56.807 56.836 56.865 56.894 56.923 56.952 56.981 57.010 57.039 57.068 57.097 57.126 57.155 57.184 57.213 57.242 57.271 57.300 57.329 57.358 57.387 57.416 57.445 57.474 57.503 57.532 57.561 57.590 57.619 57.648 57.677 57.706 57.735 57.764 57.793 57.822 57.851 57.880 57.909 57.938 57.967 57.996 58.025 58.054 58.083 58.112 58.141 58.170 58.199 58.228 58.257 58.286 58.315 58.344 58.373 58.402 58.431 58.460 58.489 58.518 58.547 58.576 58.605 58.634 58.663 58.692 58.721 58.750 58.779 58.808 58.837 58.866 58.895 58.924 58.953 58.982 59.011 59.040 59.069 59.098 59.127 59.156 59.185 59.214 59.243 59.272 59.301 59.330 59.359 59.388 59.417 59.446 59.475 59.504 59.533 59.562 59.591 59.620 59.649 59.678 59.707 59.736 59.765 59.794 59.823 59.852 59.881 59.910 59.939 59.968 59.997 60.026 60.055 60.084 60.113 60.142 60.171 60.200 60.229 60.258 60.287 60.316 60.345 60.374 60.403 60.432 60.461 60.490 60.519 60.548 60.577 60.606 60.635 60.664 60.693 60.722 60.751 60.780 60.809 60.838 60.867 60.896 60.925 60.954 60.983 61.012 61.041 61.070 61.099 61.128 61.157 61.186 61.215 61.244 61.273 61.302 61.331 61.360 61.389 61.418 61.447 61.476 61.505 61.534 61.563 61.592 61.621 61.650 61.679 61.708 61.737 61.766 61.795 61.824 61.853 61.882 61.911 61.940 61.969 61.998 62.027 62.056 62.085 62.114 62.143 62.172 62.201 62.230 62.259 62.288 62.317 62.346 62.375 62.404 62.433 62.462 62.491 62.520 62.549 62.578 62.607 62.636 62.665 62.694 62.723 62.752 62.781 62.810 62.839 62.868 62.897 62.926 62.955 62.984 63.013 63.042 63.071 63.100 63.129 63.158 63.187 63.216 63.245 63.274 63.303 63.332 63.361 63.390 63.419 63.448 63.477 63.506 63.535 63.564 63.593 63.622 63.651 63.680 63.709 63.738 63.767 63.796 63.825 63.854 63.883 63.912 63.941 63.970 64.000 64.029 64.058 64.087 64.116 64.145 64.174 64.203 64.232 64.261 64.290 64.319 64.348 64.377 64.406 64.435 64.464 64.493 64.522 64.551 64.580 64.609 64.638 64.667 64.696 64.725 64.754 64.783 64.812 64.841 64.870 64.899 64.928 64.957 64.986 65.015 65.044 65.073 65.102 65.131 65.160 65.189 65.218 65.247 65.276 65.305 65.334 65.363 65.392 65.421 65.450 65.479 65.508 65.537 65.566 65.595 65.624 65.653 65.682 65.711 65.740 65.769 65.798 65.827 65.856 65.885 65.914 65.943 65.972 66.001 66.030 66.059 66.088 66.117 66.146 66.175 66.204 66.233 66.262 66.291 66.320 66.349 66.378 66.407 66.436 66.465 66.494 66.523 66.552 66.581 66.610 66.639 66.668 66.697 66.726 66.755 66.784 66.813 66.842 66.871 66.900 66.929 66.958 66.987 67.016 67.045 67.074 67.103 67.132 67.161 67.190 67.219 67.248 67.277 67.306 67.335 67.364 67.393 67.422 67.451 67.480 67.509 67.538 67.567 67.596 67.625 67.654 67.683 67.712 67.741 67.770 67.799 67.828 67.857 67.886 67.915 67.944 67.973 68.002 68.031 68.060 68.089 68.118 68.147 68.176 68.205 68.234 68.263 68.292 68.321 68.350 68.379 68.408 68.437 68.466 68.495 68.524 68.553 68.582 68.611 68.640 68.669 68.698 68.727 68.756 68.785 68.814 68.843 68.872 68.901 68.930 68.959 68.988 69.017 69.046 69.075 69.104 69.133 69.162 69.191 69.220 69.249 69.278 69.307 69.336 69.365 69.394 69.423 69.452 69.481 69.510 69.539 69.568 69.597 69.626 69.655 69.684 69.713 69.742 69.771 69.800 69.829 69.858 69.887 69.916 69.945 69.974 69.999 70.024 70.049 70.074 70.099 70.124 70.149 70.174 70.199 70.224 70.249 70.274 70.299 70.324 70.349 70.374 70.399 70.424 70.449 70.474 70.499 70.524 70.549 70.574 70.599 70.624 70.649 70.674 70.699 70.724 70.749 70.774 70.799 70.824 70.849 70.874 70.899 70.924 70.949 70.974 70.999 71.024 71.049 71.074 71.099 71.124 71.149 71.174 71.199 71.224 71.249 71.274 71.299 71.324 71.349 71.374 71.399 71.424 71.449 71.474 71.499 71.524 71.549 71.574 71.599 71.624 71.649 71.674 71.699 71.724 71.749 71.774 71.799 71.824 71.849 71.874 71.899 71.924 71.949 71.974 71.999 72.024 72.049 72.074 72.099 72.124 72.149 72.174 72.199 72.224 72.249 72.274 72.299 72.324 72.349 72.374 72.399 72.424 72.449 72.474 72.499 72.524 72.549 72.574 72.599 72.624 72.649 72.674 72.699 72.724 72.749 72.774 72.799 72.824 72.849 72.874 72.899 72.924 72.949 72.974 72.999 73.024 73.049 73.074 73.099 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76.699 76.724 76.749 76.774 76.799 76.824 76.849 76.874 76.899 76.924 76.949 76.974 76.999 77.024 77.049 77.074 77.099 77.124 77.149 77.174 77.199 77.224 77.249 77.274 77.299 77.324 77.349 77.374 77.399 77.424 77.449 77.474 77.499 77.524 77.549 77.574 77.599 77.624 77.649 77.674 77.699 77.724 77.749 77.774 77.799 77.824 77.849 77.874 77.899 77.924 77.949 77.974 77.999 78.024 78.049 78.074 78.099 78.124 78.149 78.174 78.199 78.224 78.249 78.274 78.299 78.324 78.349 78.374 78.399 78.424 78.449 78.474 78.499 78.524 78.549 78.574 78.599 78.624 78.649 78.674 78.699 78.724 78.749 78.774 78.799 78.824 78.849 78.874 78.899 78.924 78.949 78.974 78.999 79.024 79.049 79.074 79.099 79.124 79.149 79.174 79.199 79.224 79.249 79.274 79.299 79.324 79.349 79.374 79.399 79.424 79.449 79.474 79.499 79.524 79.549 79.574 79.599 79.624 79.649 79.674 79.699 79.724 79.749 79.774 79.799 79.824 79.849 79.874 79.899 79.924 79.949 79.974 79.999 80.024 80.049 80.074 80.099 80.124 80.149 80.174 80.199 80.224 80.249 80.274 80.299 80.324 80.349 80.374 80.399 80.424 80.449 80.474 80.499 80.524 80.549 80.574 80.599 80.624 80.649 80.674 80.699 80.724 80.749 80.774 80.799 80.824 80.849 80.874 80.899 80.924 80.949 80.974 80.999 81.024 81.049 81.074 81.099 81.124 81.149 81.174 81.199 81.224 81.249 81.274 81.299 81.324 81.349 81.374 81.399 81.424 81.449 81.474 81.499 81.524 81.549 81.574 81.599 81.624 81.649 81.674 81.699 81.724 81.749 81.774 81.799 81.824 81.849 81.874 81.899 81.924 81.949 81.974 81.999 82.024 82.049 82.074 82.099 82.124 82.149 82.174 82.199 82.224 82.249 82.274 82.299 82.324 82.349 82.374 82.399 82.424 82.449 82.474 82.499 82.524 82.549 82.574 82.599 82.624 82.649 82.674 82.699 82.724 82.749 82.774 82.799 82.824 82.849 82.874 82.899 82.924 82.949 82.974 82.999 83.024 83.049 83.074 83.099 83.124 83.149 83.174 83.199 83.224 83.249 83.274 83.299 83.324 83.349 83.374 83.399 83.424 83.449 83.474 83.499 83.524 83.549 83.574 83.599 83.624 83.649 83.674 83.699 83.724 83.749 83.774 83.799 83.824 83.849 83.874 83.899 83.924 83.949 83.974 83.999 84.024 84.049 84.074 84.099 84.124 84.149 84.174 84.199 84.224 84.249 84.274 84.299 84.324 84.349 84.374 84.399 84.424 84.449 84.474 84.499 84.524 84.549 84.574 84.599 84.624 84.649 84.674 84.699 84.724 84.749 84.774 84.799 84.824 84.849 84.874 84.899 84.924 84.949 84.974 84.999 85.024 85.049 85.074 85.099 85.124 85.149 85.174 85.199 85.224 85.249 85.274 85.299 85.324 85.349 85.374 85.399 85.424 85.449 85.474 85.499 85.524 85.549 85.574 85.599 85.624 85.649 85.674 85.699 85.724 85.749 85.774 85.799 85.824 85.849 85.874 85.899 85.924 85.949 85.974 85.999 86.024 86.049 86.074 86.099 86.124 86.149 86.174 86.199 86.224 86.249 86.274 86.299 86.324 86.349 86.374 86.399 86.424 86.449 86.474 86.499 86.524 86.549 86.574 86.599 86.624 86.649 86.674 86.699 86.724 86.749 86.774 86.799 86.824 86.849 86.874 86.899 86.924 86.949 86.974 86.999 87.024 87.049 87.074 87.099 87.124 87.149 87.174 87.199 87.224 87.249 87.274 87.299 87.324 87.349 87.374 87.399 87.424 87.449 87.474 87.499 87.524 87.549 87.574 87.599 87.624 87.649 87.674 87.699 87.724 87.749 87.774 87.799 87.824 87.849 87.874 87.899 87.924 87.949 87.974 87.999 88.024 88.049 88.074 88.099 88.124 88.149 88.174 88.199 88.224 88.249 88.274 88.299 88.324 88.349 88.374 88.399 88.424 88.449 88.474 88.499 88.524 88.549 88.574 88.599 88.624 88.649 88.674 88.699 88.724 88.749 88.774 88.799 88.824 88.849 88.874 88.899 88.924 88.949 88.974 88.999 89.024 89.049 89.074 89.099 89.124 89.149 89.174 89.199 89.224 89.249 89.274 89.299 89.324 89.349 89.374 89.399 89.424 89.449 89.474 89.499 89.524 89.549 89.574 89.599 89.624 89.649 89.674 89.699 89.724 89.749 89.774 89.799 89.824 89.849 89.874 89.899 89.924 89.949 89.974 89.999 90.024 90.049 90.074 90.099 90.124 90.149 90.174 90.199 90.224 90.249 90.274 90.299 90.324 90.349 90.374 90.399 90.424 90.449 90.474 90.499 90.524 90.549 90.574 90.599 90.624 90.649 90.674 90.699 90.724 90.749 90.774 90.799 90.824 90.849 90.874 90.899 90.924 90.949 90.974 90.999 91.024 91.049 91.074 91.099 91.124 91.149 91.174 91.199 91.224 91.249 91.274 91.299 91.324 91.349 91.374 91.399 91.424 91.449 91.474 91.499 91.524 91.549 91.574 91.599 91.624 91.649 91.674 91.699 91.724 91.749 91.774 91.799 91.824 91.849 91.874 91.899 91.924 91.949 91.974 91.999 92.024 92.049 92.074 92.099 92.124 92.149 92.174 92.199 92.224 92.249 92.274 92.299 92.324 92.349 92.374 92.399 92.424 92.449 92.474 92.499 92.524 92.549 92.574 92.599 92.624 92.649 92.674 92.699 92.724 92.749 92.774 92.799 92.824 92.849 92.874 92.899 92.924 92.949 92.974 92.999 93.024 93.049 93.074 93.099 93.124 93.149 93.174 93.199 93.224 93.249 93.274 93.299 93.324 93.349 93.374 93.399 93.424 93.449 93.474 93.499 93.524 93.549 93.574 93.599 93.624 93.649 93.674 93.699 93.724 93.749 93.774 93.799 93.824 93.849 93.874 93.899 93.924 93.949 93.974 93.999 94.024 94.049 94.074 94.099 94.124 94.149 94.174 94.199 94.224 94.249 94.274 94.299 94.324 94.349 94.374 94.399 94.424 94.449 94.474 94.499 94.524 94.549 94.574 94.599 94.624 94.649 94.674 94.699 94.724 94.749 94.774 94.799 94.824 94.849 94.874 94.899 94.924 94.949 94.974 94.999 95.024 95.049 95.074 95.099 95.124 95.149 95.174 95.199 95.224 95.249 95.274 95.299 95.324 95.349 95.374 95.399 95.424 95.449 95.474 95.499 95.524 95.549 95.574 95.599 95.624 95.649 95.674 95.699 95.724 95.749 95.774 95

100

P88_14_2

Pulse Sequence: s2pul

Solvent: Acetone

Temp: 25.0 C / 298.1 K

INOVA-300 "callisto"

Relax. delay 1.000 sec

Pulse 44.0 degrees

Acq. time 2.048 sec

Width 4000.0 Hz

32 repetitions

OBSERVE H1, 299.9001792 MHz

DATA PROCESSING

FT size 32768

Total time 1 min, 37 sec

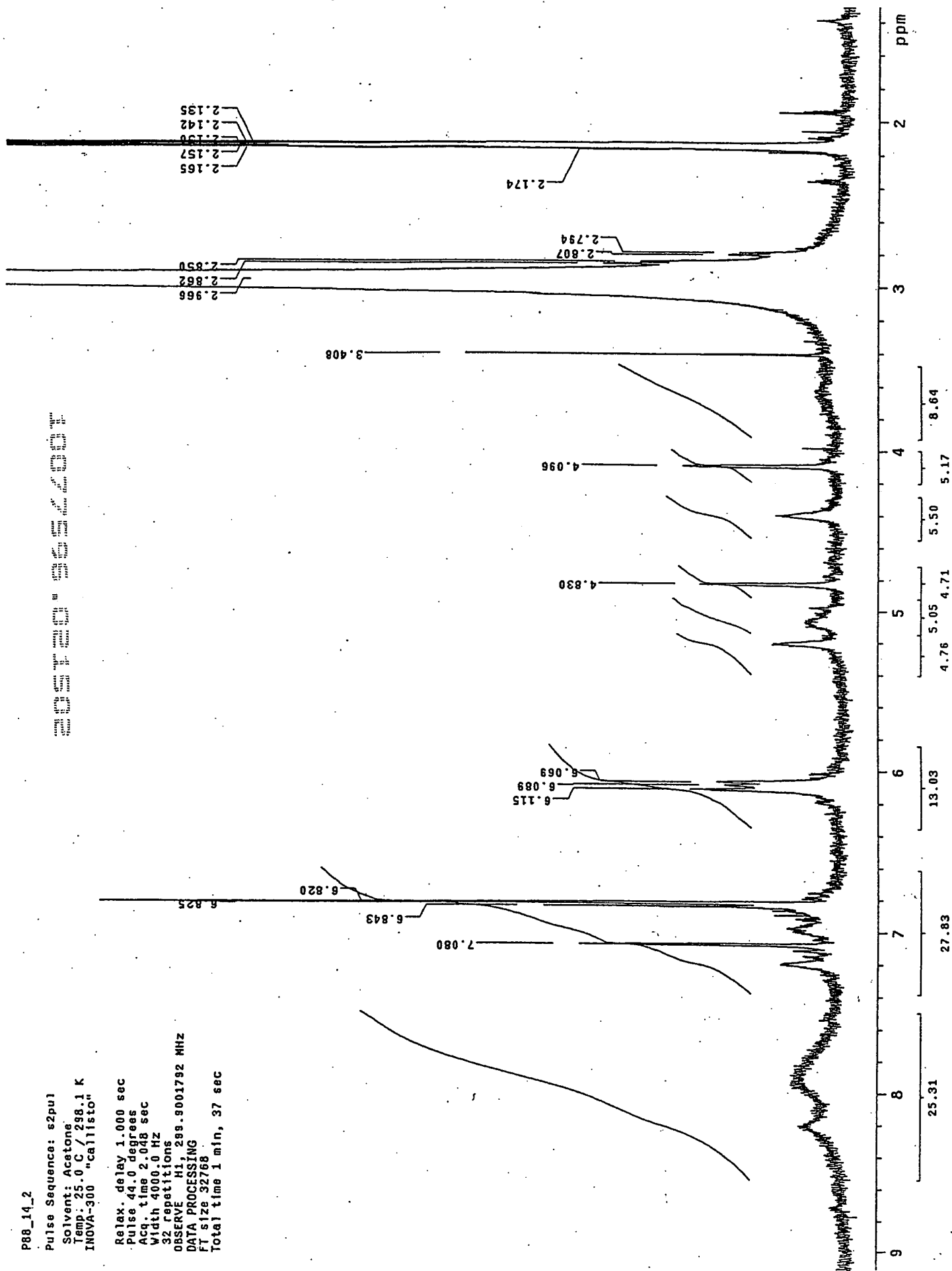
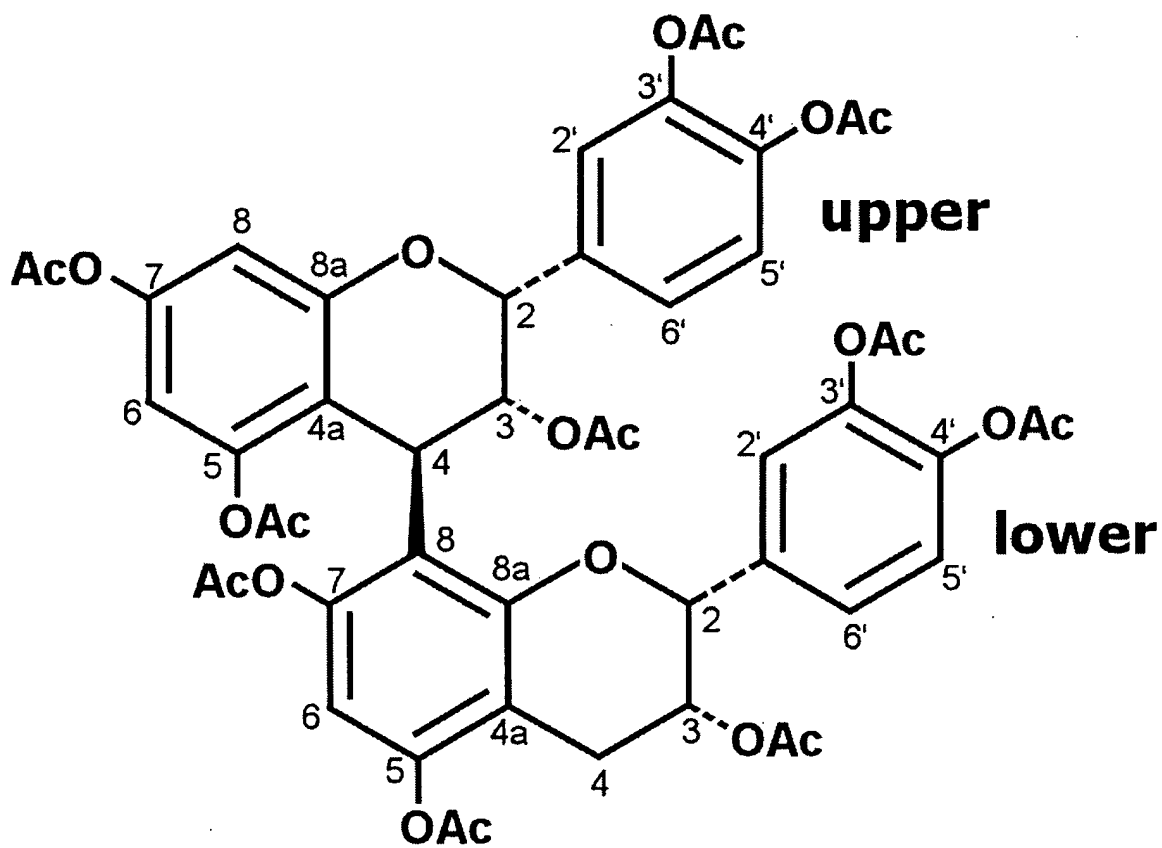


FIGURE 9



— FIGURE 10 —

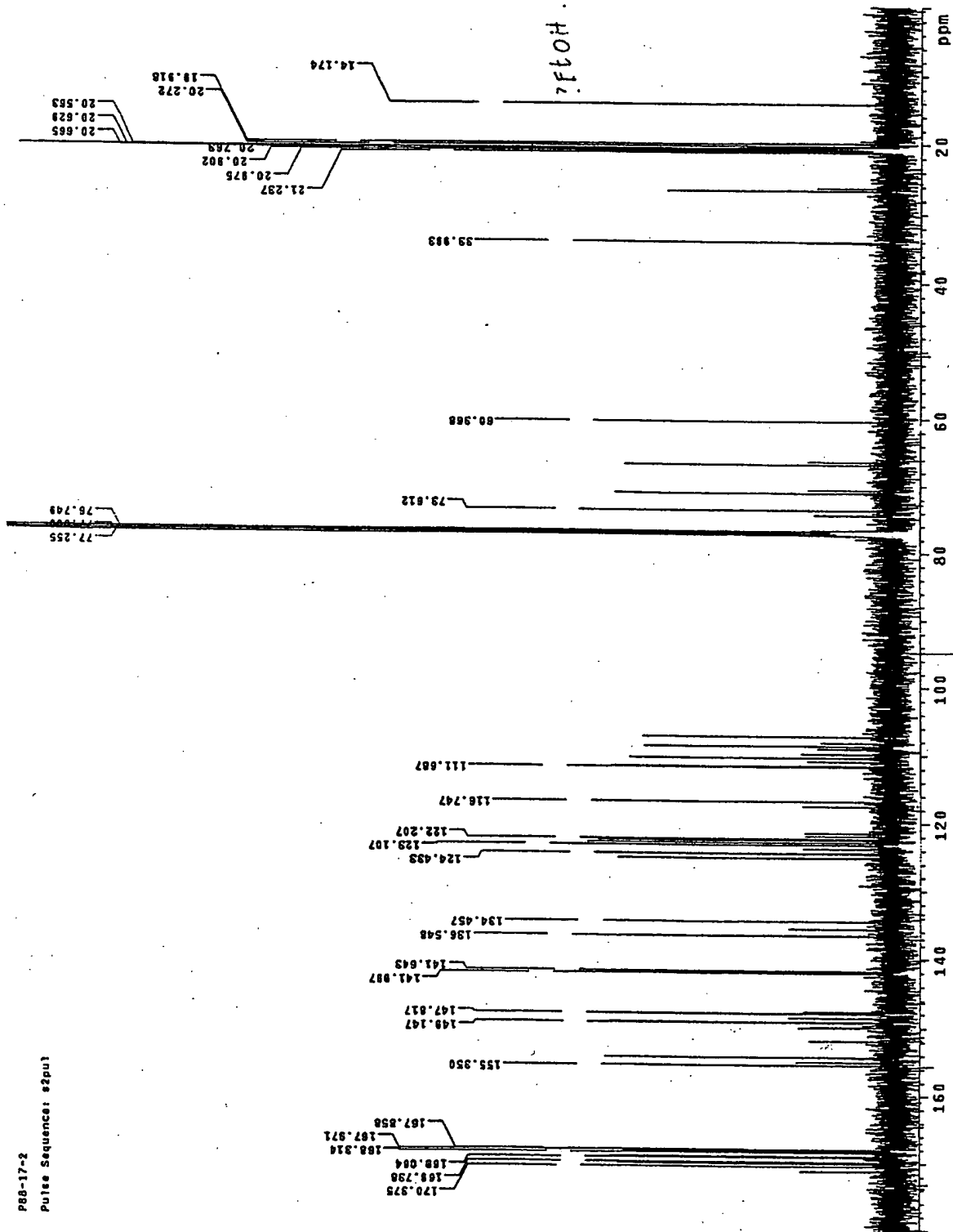
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7.250
7.170
7.059
7.017
7.000
6.648
6.226
6.221
5.875
5.878
5.562
5.284
5.154
4.531
4.448
4.115
4.101
2.948
2.885
2.879
2.871
2.807
2.850
2.848
2.837
2.170
2.030
2.029
2.007
1.968
1.864
1.841
1.727
1.542
1.258
1.245
1.231

ppm

Pulse Sequence: s2pu1

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

1



P88-17-2

Pulse Sequence: zgpg30

NMR 12 CIGAR ¹H - ¹³C correlation spectrum of H2 peracetate (3).

P88-17-2

Pulse Sequence: CIGAR

Solvent: CDC13

Temp: 25.0 C / 298.1 K

User: 1-14-87

INNOVA-500 "EUROPA"

Relax. delay 1.000 sec

Acq. time 0.241 sec

Width 4247.0 Hz

2D Width 22618.0 Hz

32 repetitions

400 increments

OBSERVE H1 499.7381975 MHz

DATA PROCESSING

Gauss apodization 0.121 sec

Sine bell 0.018 sec

F1 DATA PROCESSING

Gauss apodization 0.018 sec

Sine bell 0.018 sec

FT size 2048 x 8192

Total time 4 hr, 57 min, 38 sec

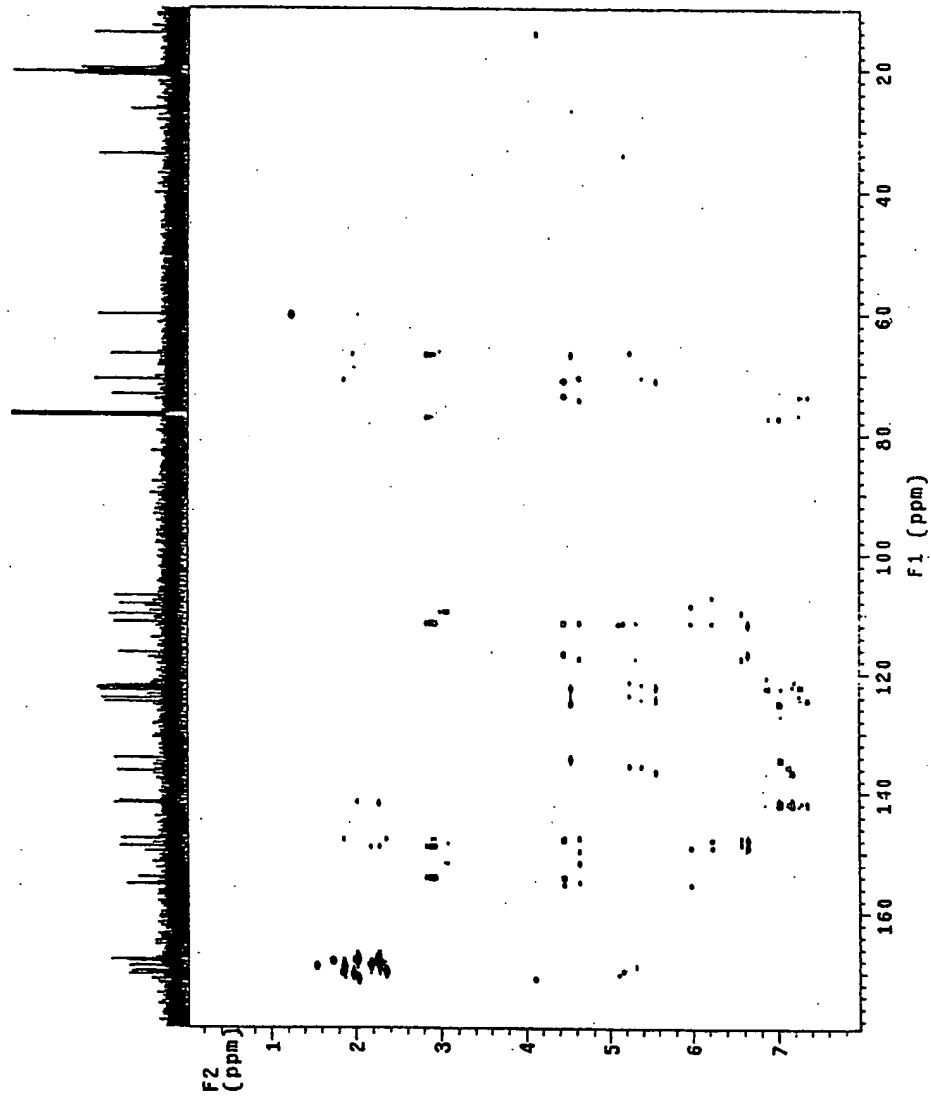
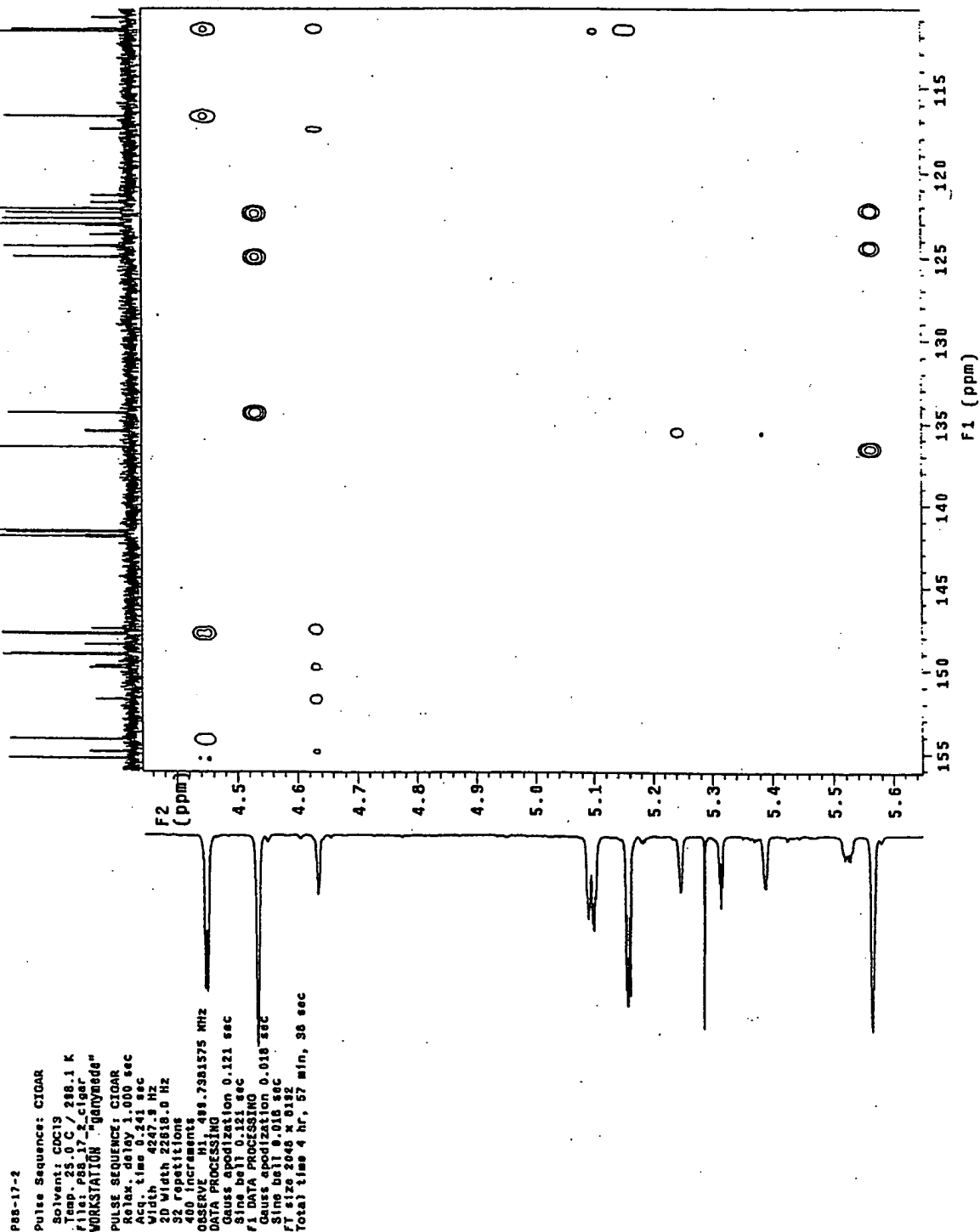


FIGURE 13

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NMR 13 CIGAR ¹H - ¹³C correlation spectrum of H2 peracetate (3).

NMR 14 NOESY Correlation spectrum of H2 peracetate (3).

FIGURE 15

P88-17-2

Pulse Sequence: NOESY

Solvent: CDC13

Temp. 25.0 C / 298.1 K

File: P88_17_2_noesy8

WORKSTATION "ganymede"

PULSE SEQUENCE: NOESY

Relax. delay 1.500 sec

Mixing 0.800 sec

Acq. time 0.241 sec

Width 4247.9 Hz

2D Width 4247.9 Hz

32 repetitions

2 x 200 increments

OBSERVE H1, 499.7381575 MHz

DATA PROCESSING

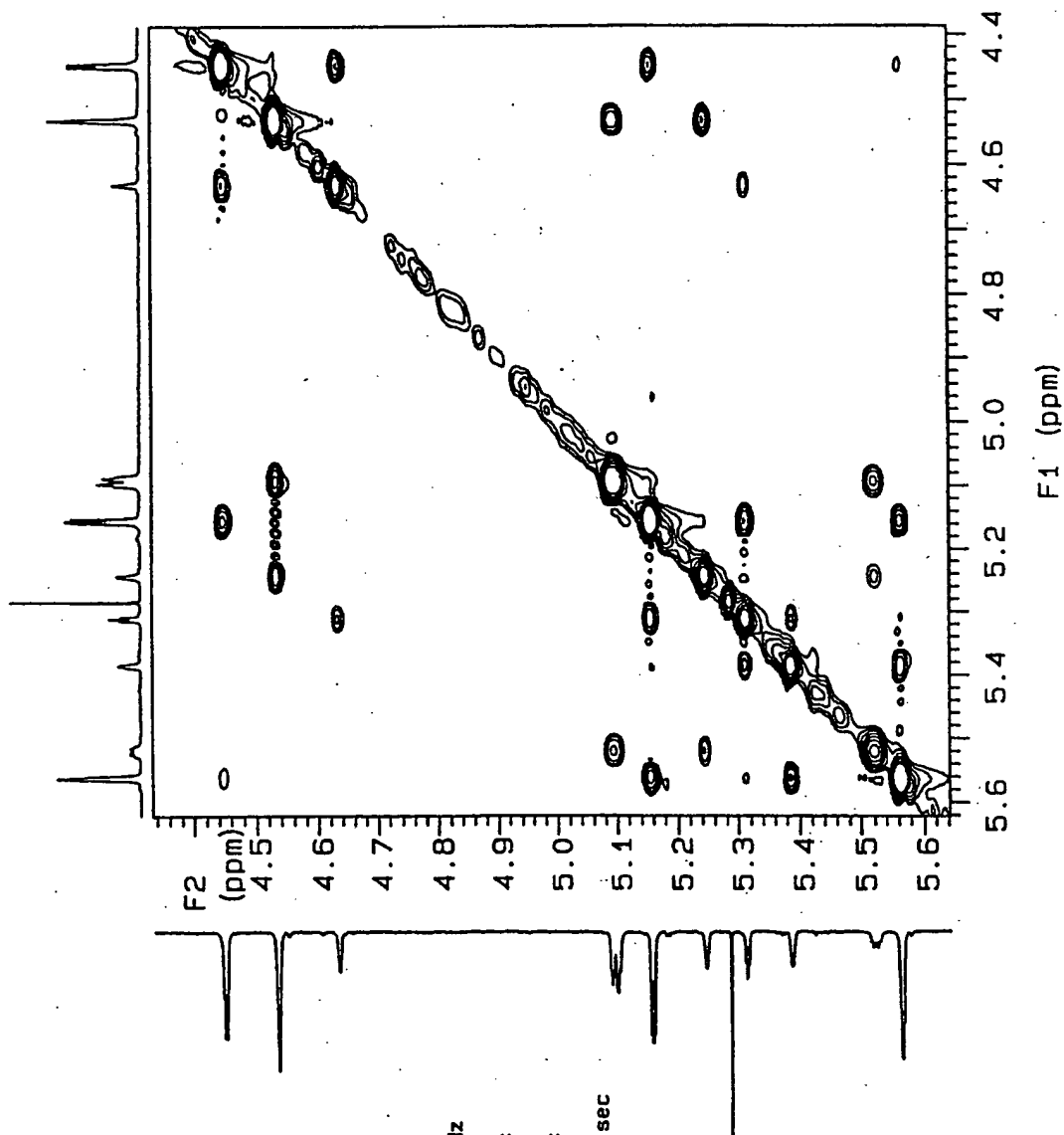
Gauss apodization 0.121 sec

F1 DATA PROCESSING

Gauss apodization 0.047 sec

FT size 4096 x 4096

Total time 9 hr, 11 min, 23 sec



P88-17-2

Pulse Sequence: NOESY

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: P88_17_2_noesy8
WORKSTATION "ganymede"

PULSE SEQUENCE: NOESY
Relax. delay 1.500 sec
Mixing 0.800 sec
Acq. time 0.241 sec
Width 4247.9 Hz
20 Width 4247.9 Hz
32 repetitions
2 x 200 increments
OBSERVE H1. 499.7381575 MHz
DATA PROCESSING
Gauss apodization 0.121 sec
F1 DATA PROCESSING
Gauss apodization 0.047 sec
FT size 4096 x 4096
Total time 9 hr, 11 min, 23 sec

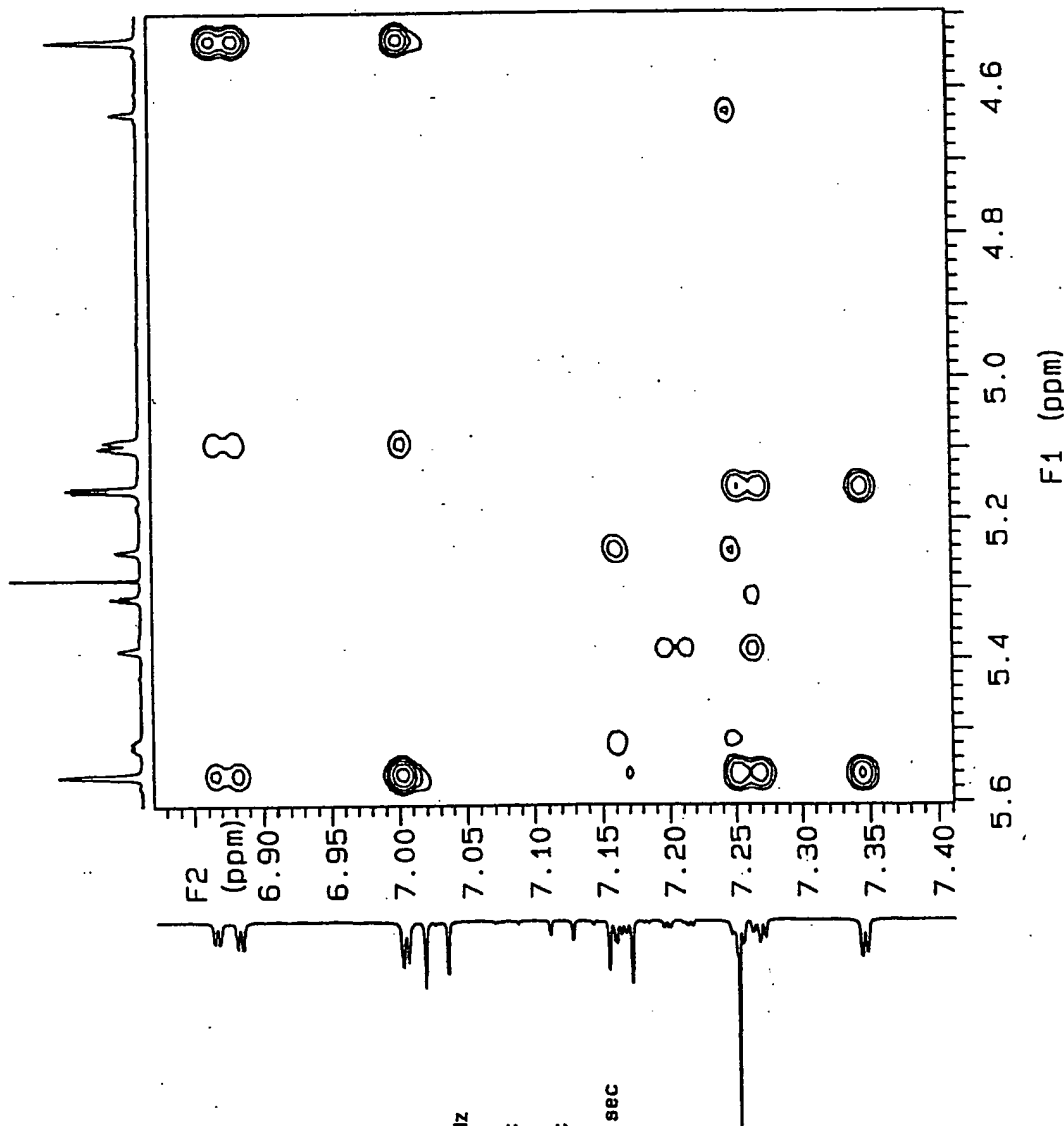


FIGURE 17

The diagram illustrates the chemical structure of a dimeric flavan-3-ol, specifically a catechin dimer. The structure is composed of two identical units, labeled "upper" and "lower", which are linked together by a C4-C8 biaryl bond. Each unit features a chromane core. The chromane ring is substituted with a phenyl ring at the C2 position and a pyrogallol ring at the C3 position. The pyrogallol rings are substituted with three hydroxyl groups at positions 4, 5, and 6. The structure is labeled "upper" and "lower" to indicate the two units. Carbons are numbered 1 through 8 and 1' through 8'.

FIGURE 18

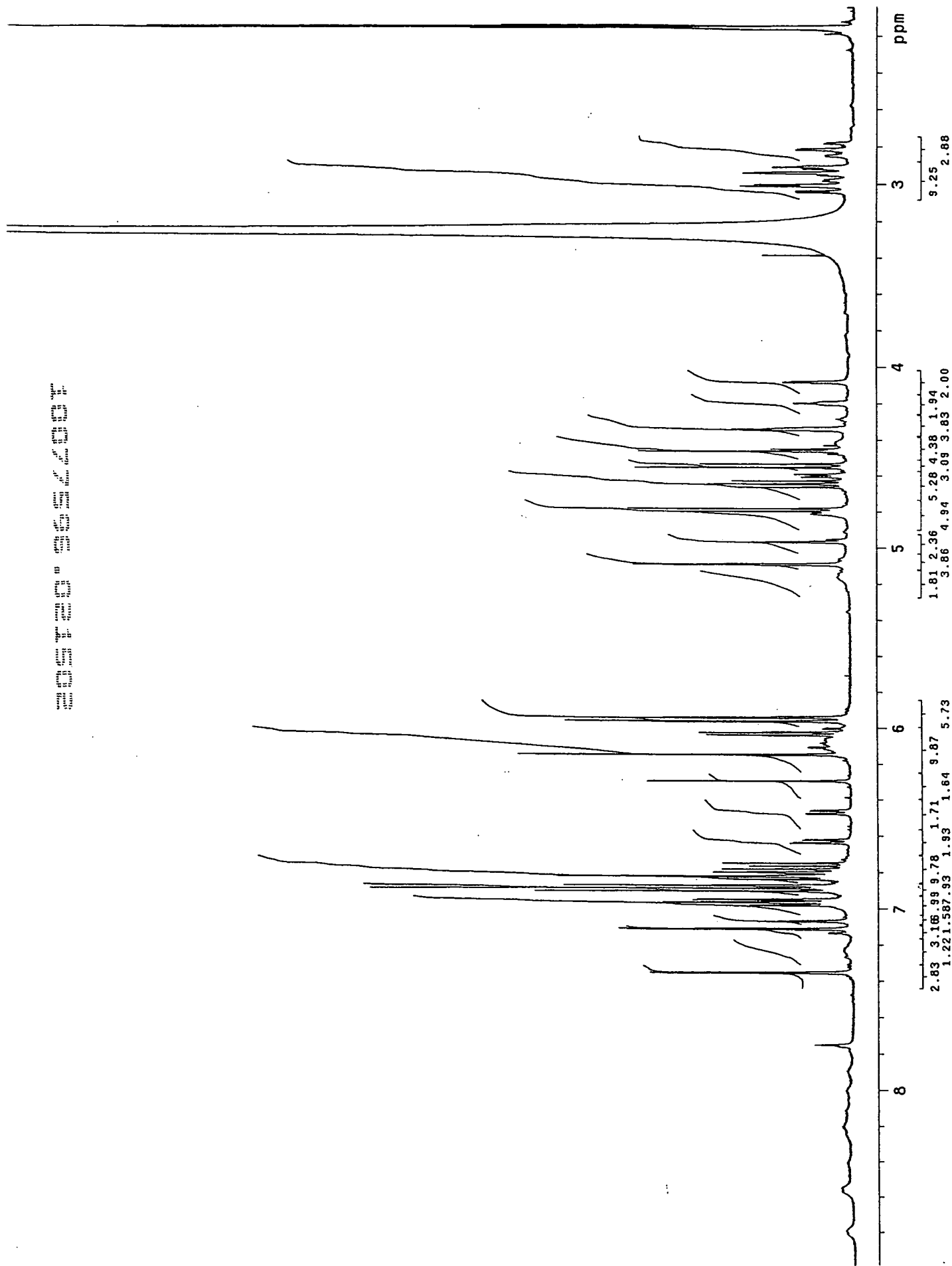


FIGURE 19

Age	Sex	Height	Weight	Arm span	Hand span	Hand width	Hand depth	Hand area	Hand volume	Hand mass	Hand density
12	M	1.50	35	1.70	10.0	8.0	4.0	32.0	1.0	1.0	1.0
13	F	1.40	30	1.60	9.0	7.0	3.5	28.0	0.8	0.8	0.8
14	M	1.60	40	1.80	11.0	9.0	4.5	40.0	1.2	1.2	1.2
15	F	1.55	38	1.75	10.5	8.5	4.0	34.0	1.0	1.0	1.0
16	M	1.70	50	1.90	12.0	10.0	5.0	50.0	1.5	1.5	1.5
17	F	1.65	45	1.85	11.5	9.5	4.5	42.0	1.2	1.2	1.2
18	M	1.80	60	2.00	13.0	11.0	5.5	60.0	2.0	2.0	2.0
19	F	1.75	55	1.95	12.5	10.5	5.0	55.0	1.8	1.8	1.8
20	M	1.90	70	2.10	14.0	12.0	6.0	70.0	2.5	2.5	2.5
21	F	1.85	65	2.05	13.5	11.5	5.5	65.0	2.2	2.2	2.2
22	M	2.00	80	2.20	15.0	13.0	6.5	80.0	3.0	3.0	3.0
23	F	1.95	75	2.15	14.5	12.5	6.0	75.0	2.8	2.8	2.8
24	M	2.10	90	2.30	16.0	14.0	7.0	90.0	3.5	3.5	3.5
25	F	2.05	85	2.25	15.5	13.5	6.5	85.0	3.2	3.2	3.2
26	M	2.20	100	2.40	17.0	15.0	7.5	100.0	4.0	4.0	4.0
27	F	2.15	95	2.35	16.5	14.5	7.0	95.0	3.8	3.8	3.8
28	M	2.30	110	2.50	18.0	16.0	8.0	110.0	4.5	4.5	4.5
29	F	2.25	105	2.45	17.5	15.5	7.5	105.0	4.2	4.2	4.2
30	M	2.40	120	2.60	19.0	17.0	8.5	120.0	5.0	5.0	5.0
31	F	2.35	115	2.55	18.5	16.5	8.0	115.0	4.8	4.8	4.8
32	M	2.50	130	2.70	20.0	18.0	9.0	130.0	5.5	5.5	5.5
33	F	2.45	125	2.65	19.5	17.5	8.5	125.0	5.2	5.2	5.2
34	M	2.60	140	2.80	21.0	19.0	9.5	140.0	6.0	6.0	6.0
35	F	2.55	135	2.75	20.5	18.5	9.0	135.0	5.8	5.8	5.8
36	M	2.70	150	2.90	22.0	20.0	10.0	150.0	6.5	6.5	6.5
37	F	2.65	145	2.85	21.5	19.5	9.5	145.0	6.2	6.2	6.2
38	M	2.80	160	3.00	23.0	21.0	10.5	160.0	7.0	7.0	7.0
39	F	2.75	155	2.95	22.5	20.5	10.0	155.0	6.8	6.8	6.8
40	M	2.90	170	3.10	24.0	22.0	11.0	170.0	7.5	7.5	7.5
41	F	2.85	165	3.05	23.5	21.5	10.5	165.0	7.2	7.2	7.2
42	M	3.00	180	3.20	25.0	23.0	11.5	180.0	8.0	8.0	8.0
43	F	2.95	175	3.15	24.5	22.5	11.0	175.0	7.8	7.8	7.8
44	M	3.10	190	3.30	26.0	24.0	12.0	190.0	8.5	8.5	8.5
45	F	3.05	185	3.25	25.5	23.5	11.5	185.0	8.2	8.2	8.2
46	M	3.20	2								

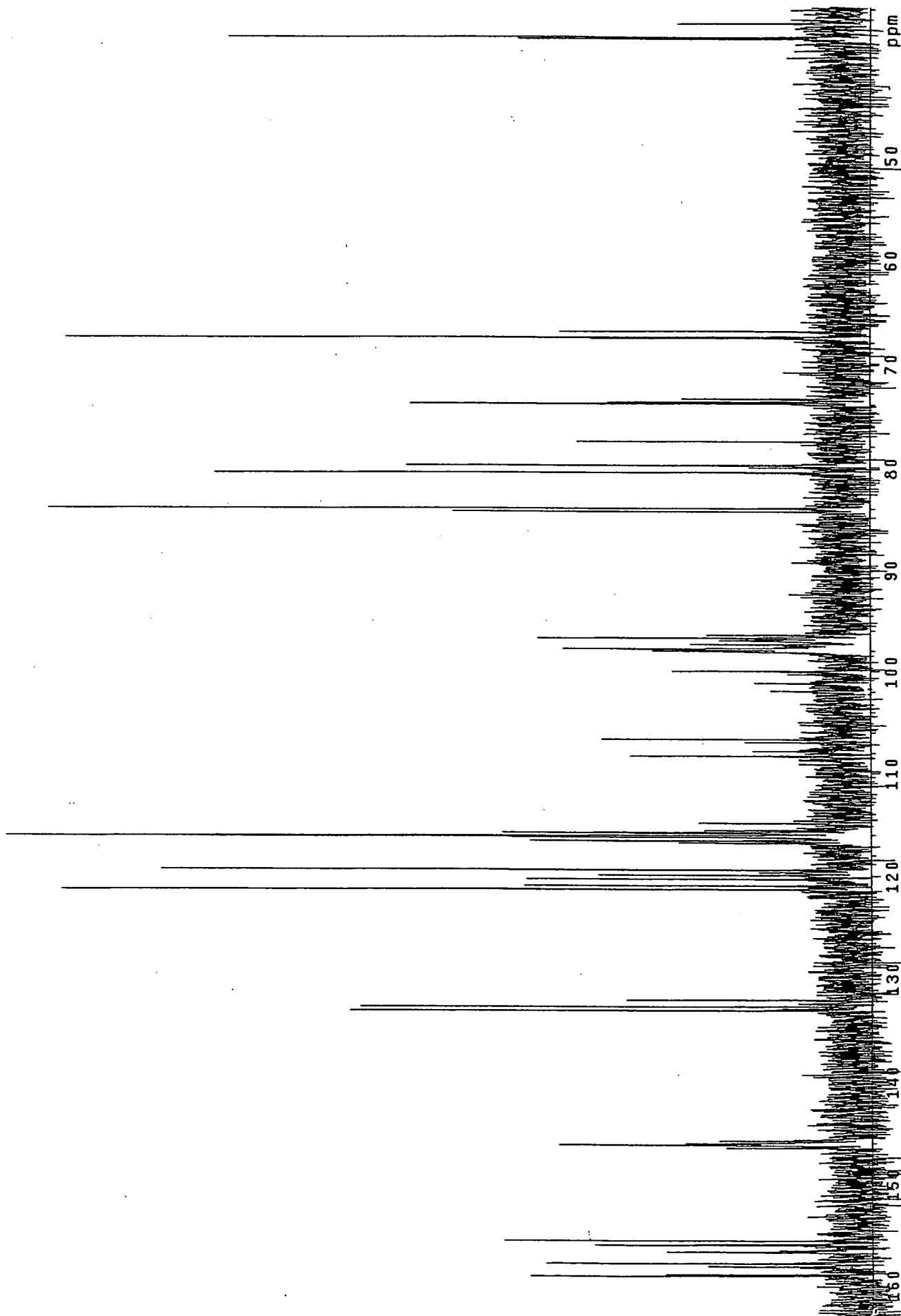
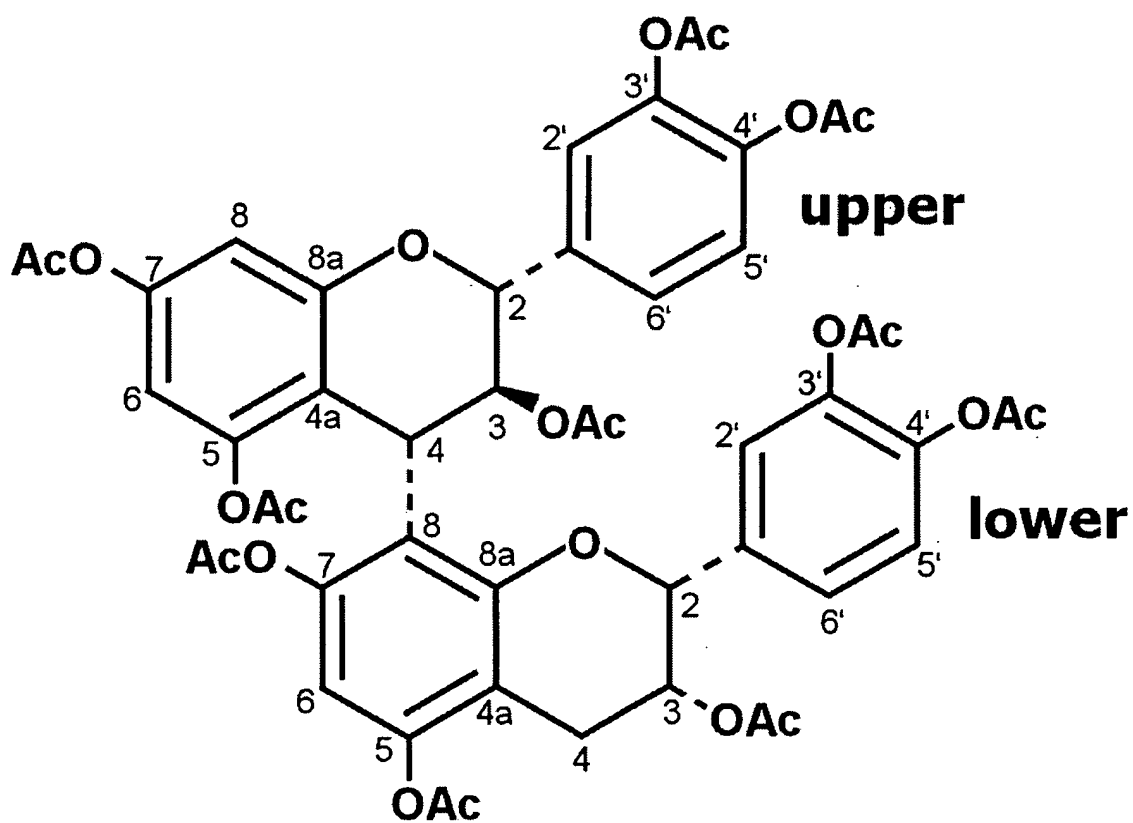


FIGURE 20



- FIGURE 21 -

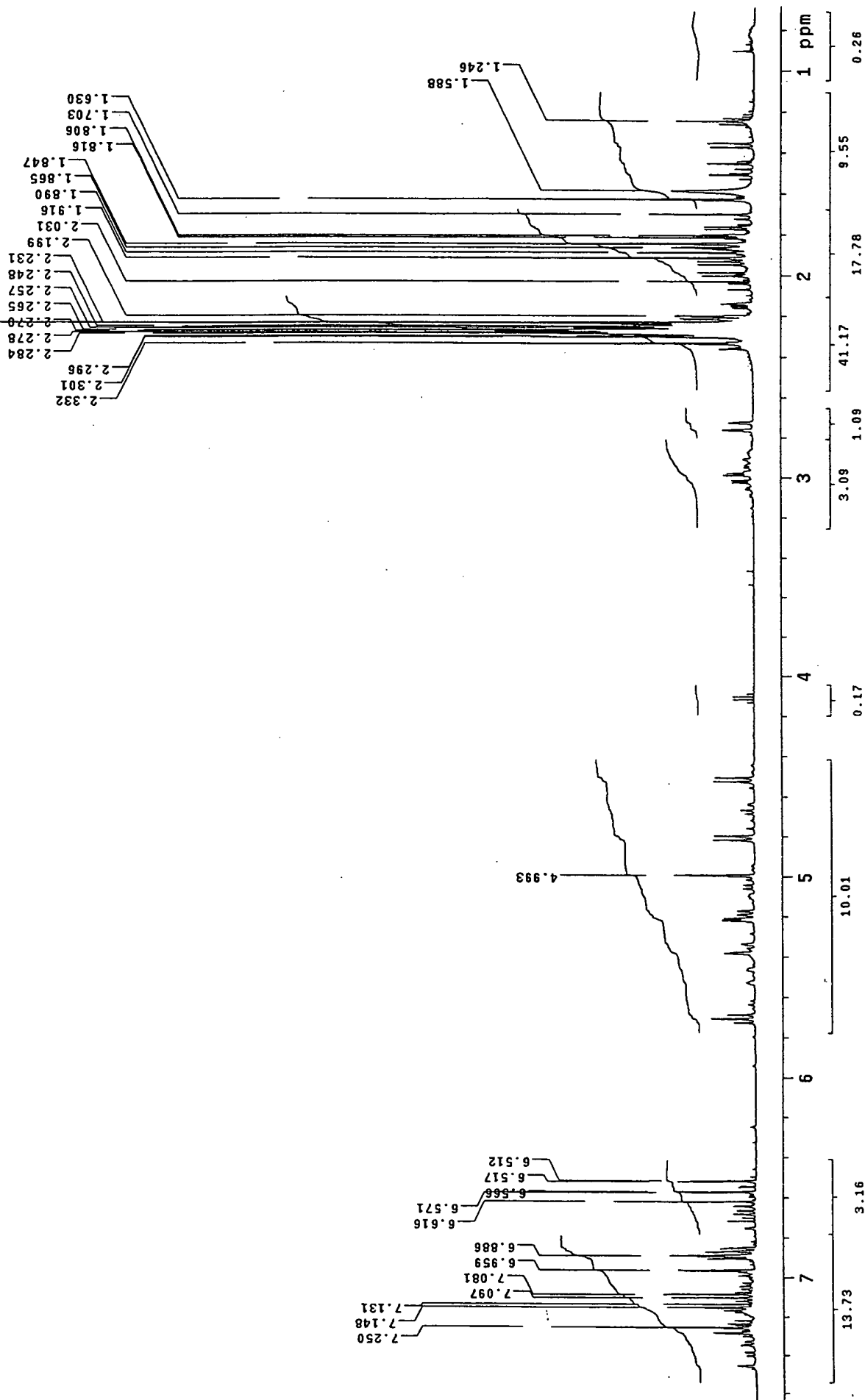


FIGURE 22

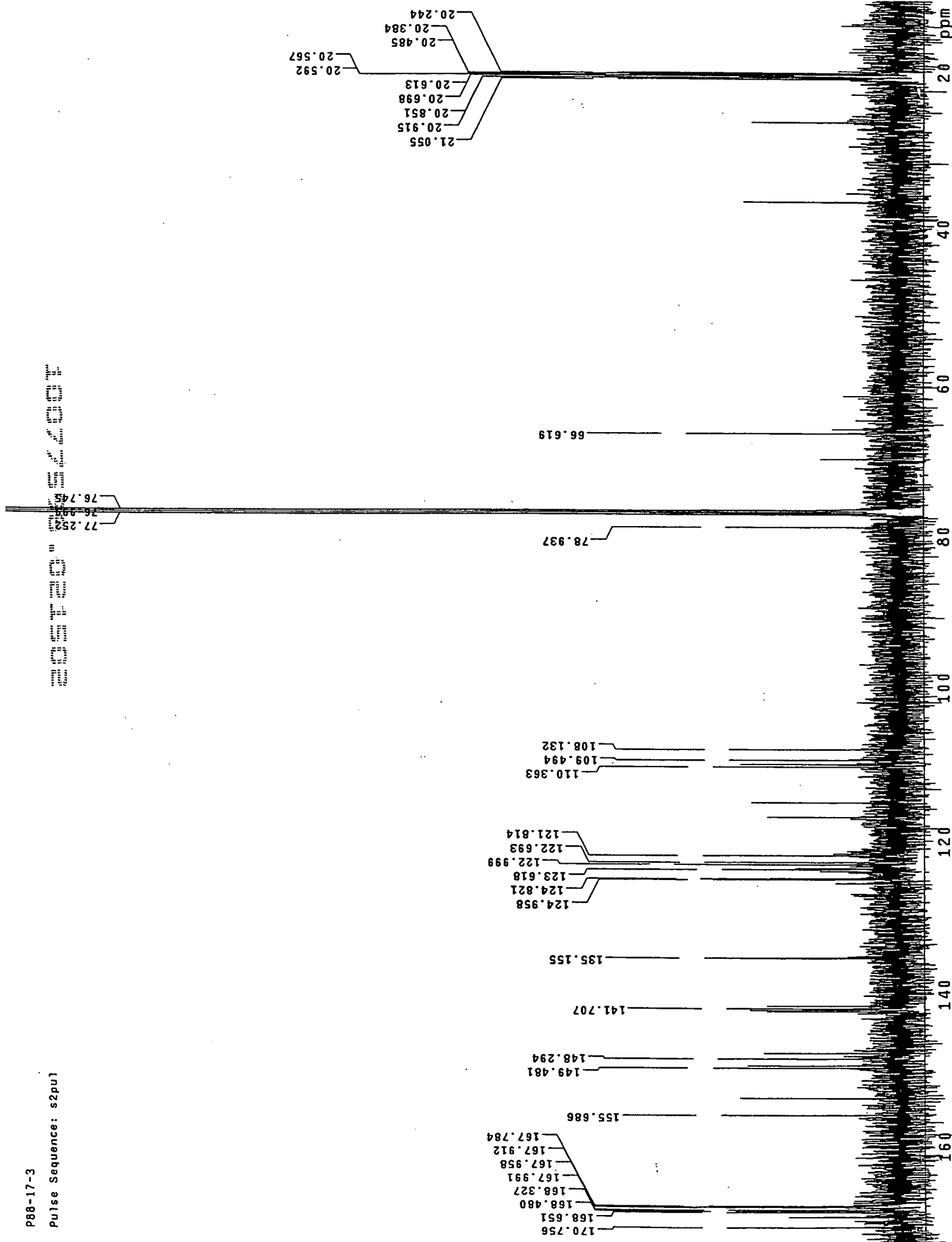


FIGURE 2.3

P88-17-3

Pulse Sequence: CIGAR

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "europa"

Relax. delay 1.000 sec
Acq. time 0.205 sec
Width 4997.5 Hz
2D Width 25139.5 Hz
64 repetitions
256 increments
OBSERVE H1, 499.7381559 MHz
DATA PROCESSING
Gauss apodization 0.102 sec
Sine bell 0.102 sec
F1 DATA PROCESSING
Gauss apodization 0.016 sec
Sine bell 0.007 sec
FT size 2048 x 4096
Total time 6 hr, 9 min, 51 sec

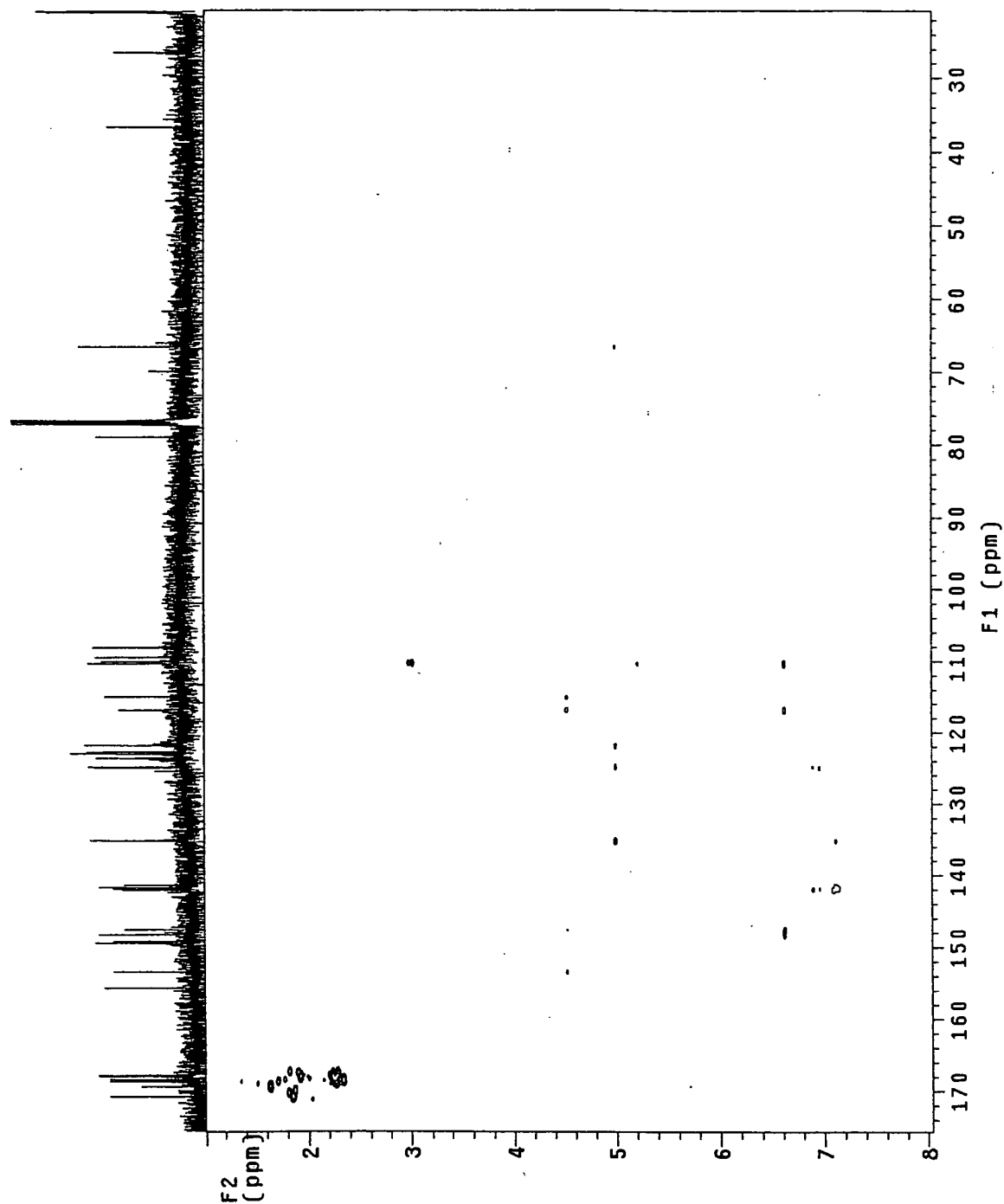


FIGURE 24

P88-17-3

Pulse Sequence: CIGAR

Solvent: CDC13

Temp. 25.0 C / 298.1 K

File: P88_17_3_cigar

WORKSTATION "ganymede"

PULSE SEQUENCE: CIGAR

Relax. delay 1.000 sec

Acq. time 0.205 sec

Width 4997.5 Hz

2D Width 25133.5 Hz

64 repetitions

256 increments

OBSERVE H1, 499.7381559 MHz

DATA PROCESSING

Gauss apodization 0.102 sec

Sine bell 0.102 sec

F1 DATA PROCESSING

Gauss apodization 0.016 sec

Sine bell 0.007 sec

FT size 2048 x 4096

Total time 6 hr, 9 min, 51 sec

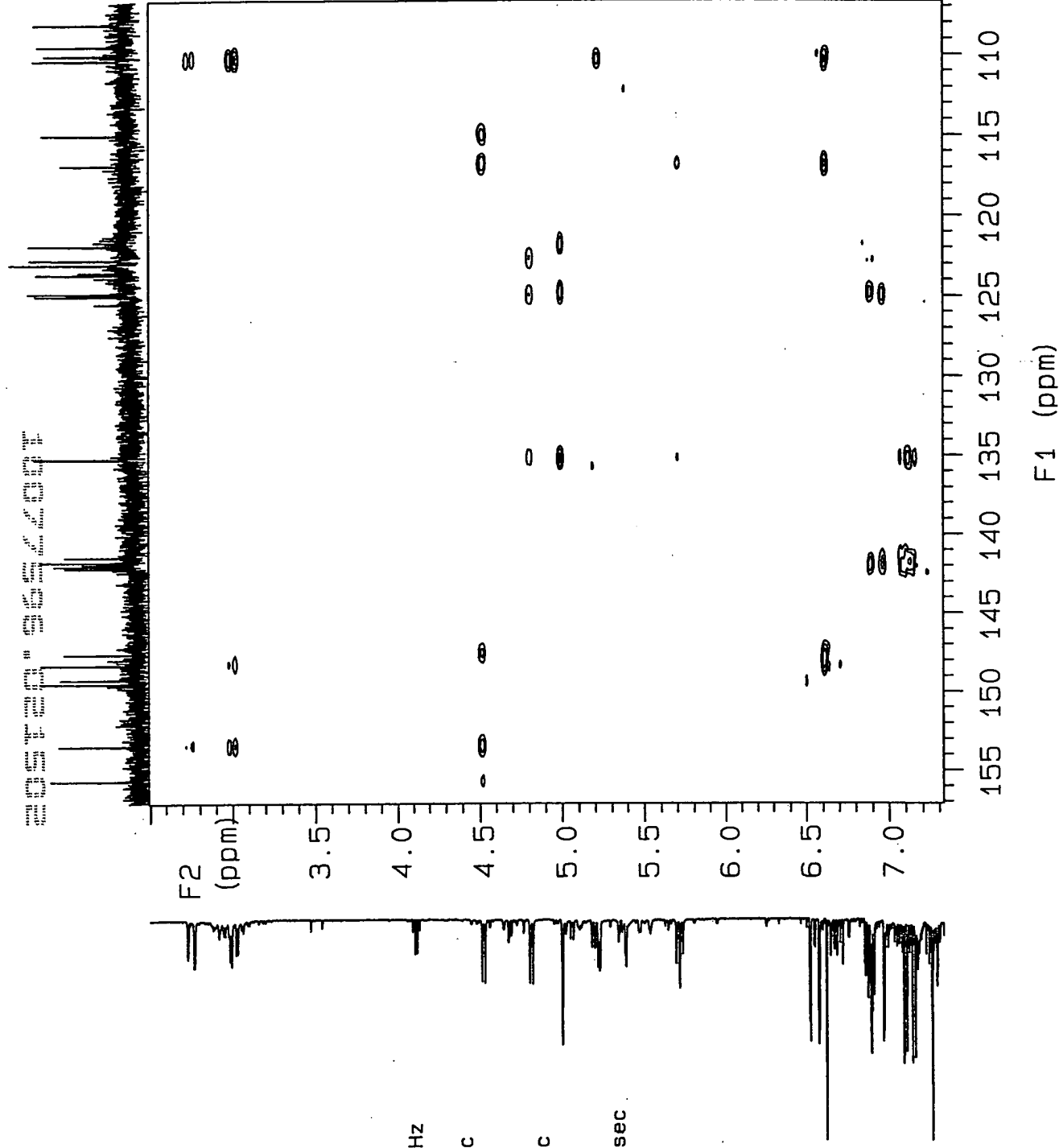
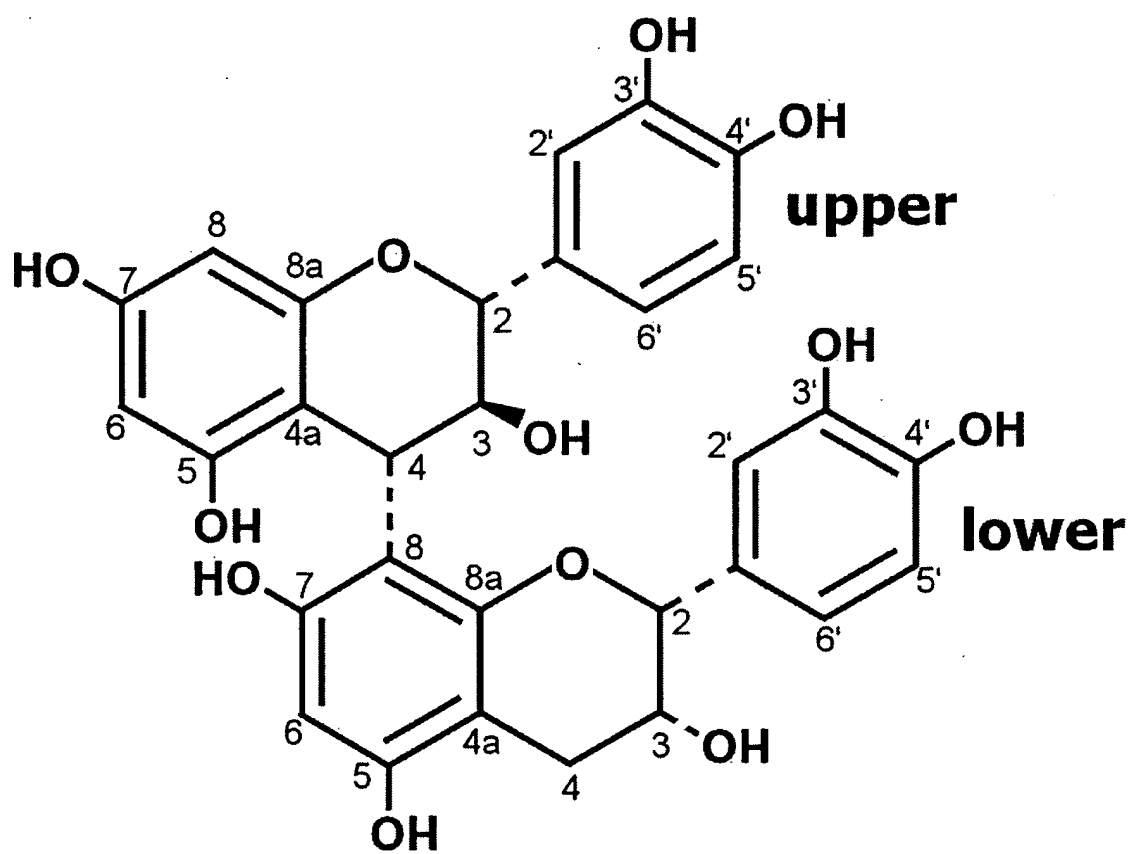


FIGURE 25



- FIGURE 26 -

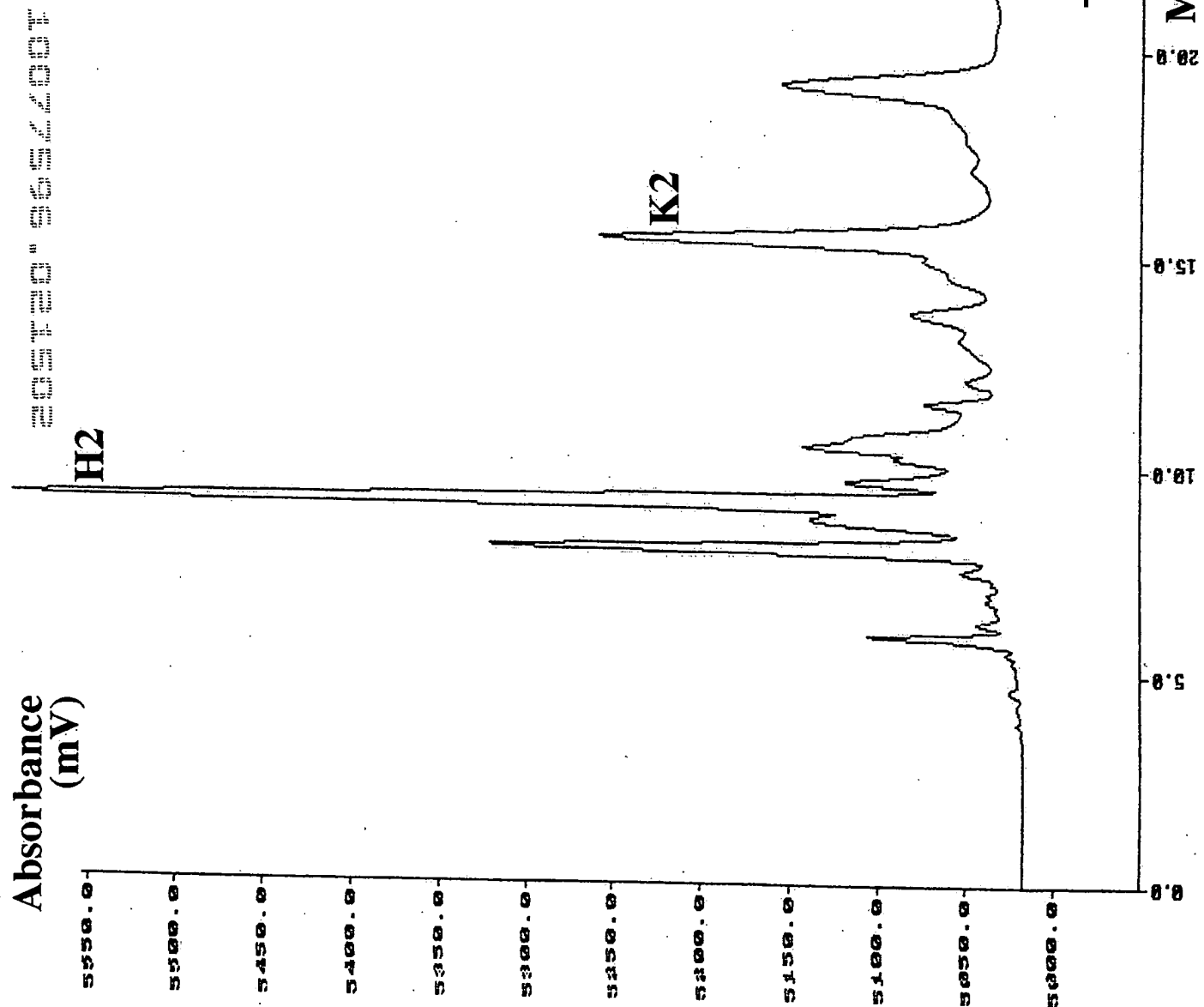


FIGURE 27

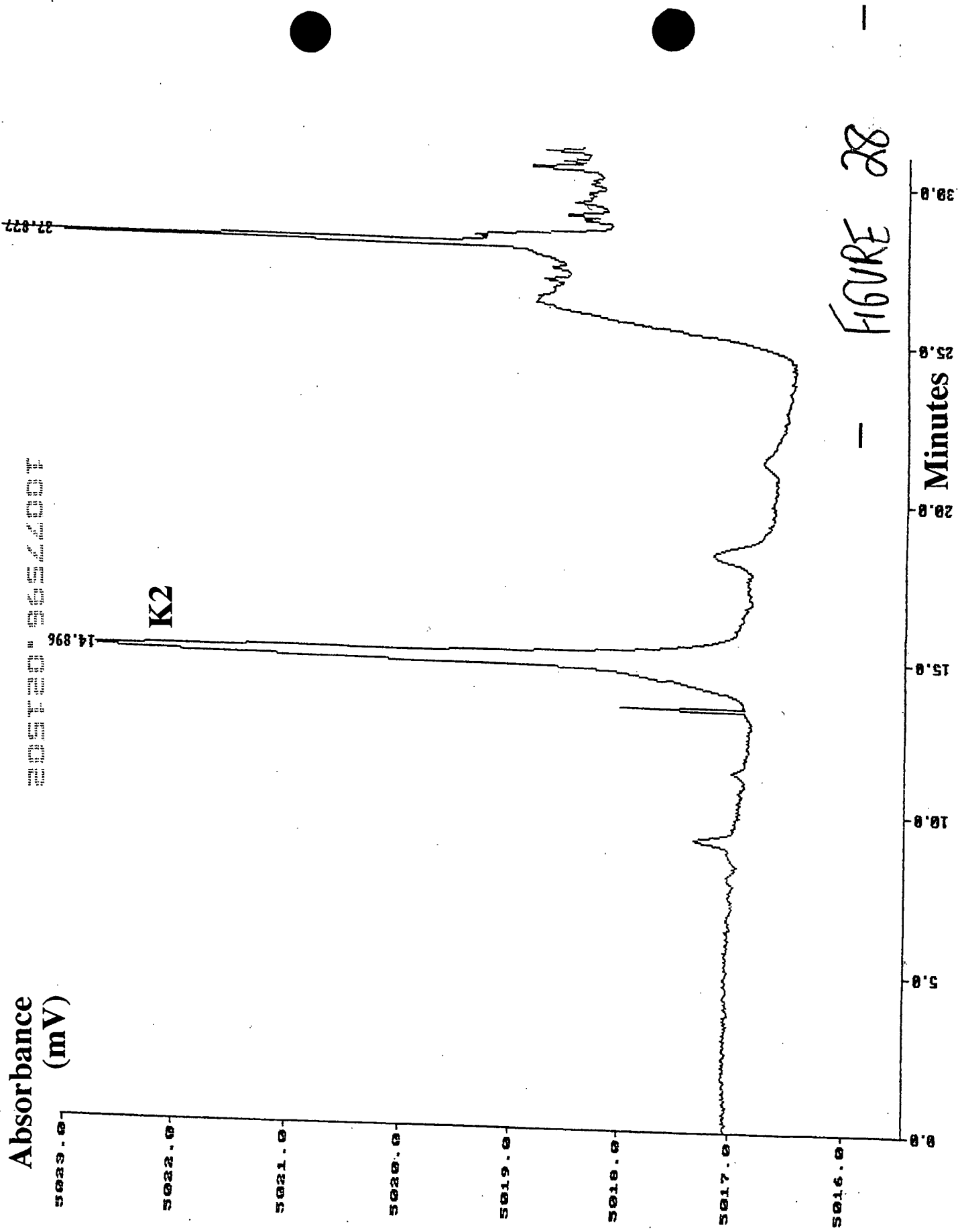


FIGURE 28

P88-16-3
After overnight
Pulse Sequence: s2pul

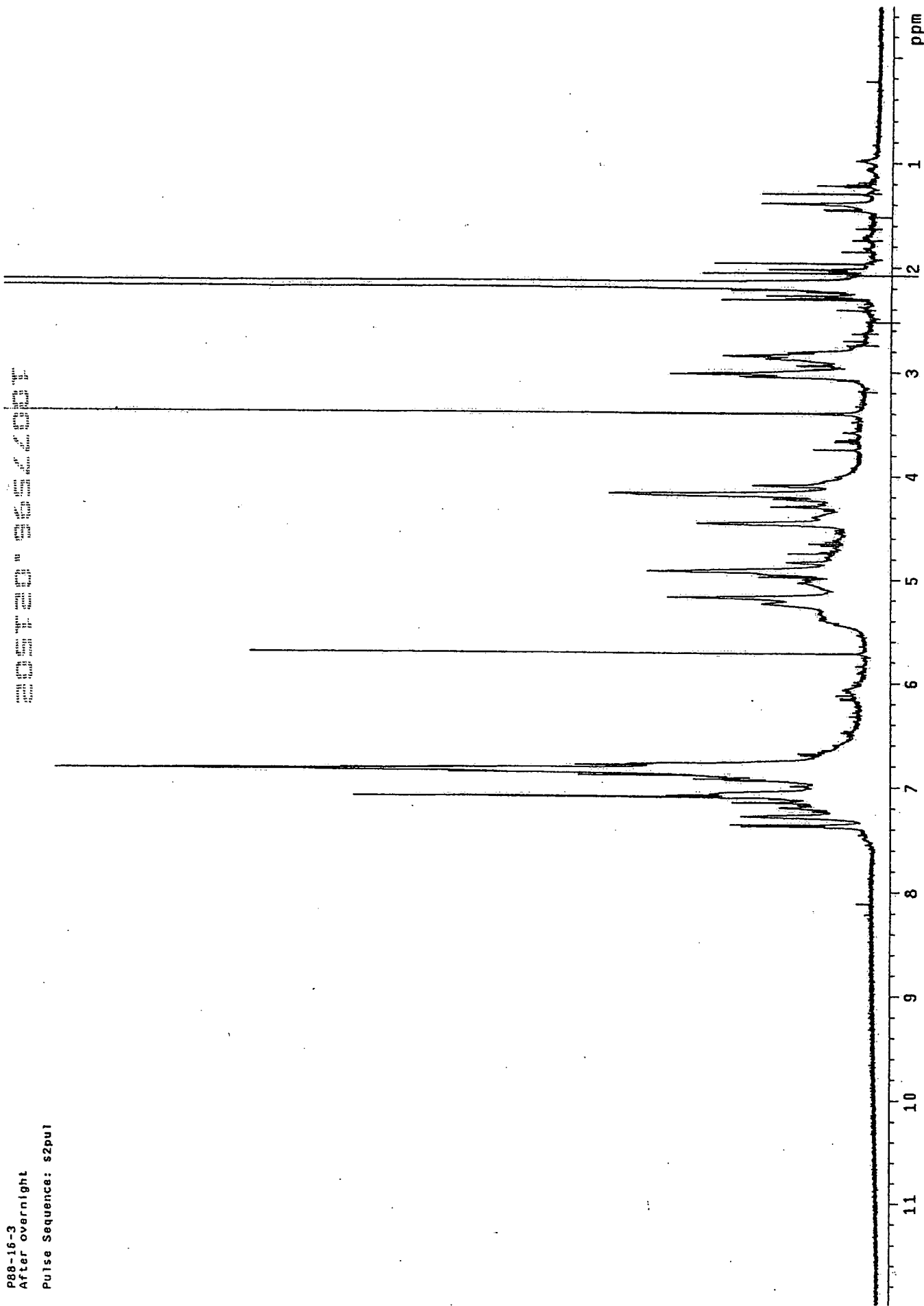


FIGURE 30

P88-22-11

Pulse Sequence: s2pul

Solvent: CDC13

Temp. 25.0 C / 298.1 K
INOVA-500 "europa"

INOVA-500 "europa"

Relax. delay 1.000 sec

Pulse 54.0 degrees

Acq. time 3.658 sec

Width 4467.0 Hz

32 repetitions

OBSERVE H1, 499.7381570 MHZ

DATA PROCESSING

FT size 65536

Total time 2 min, 29 sec

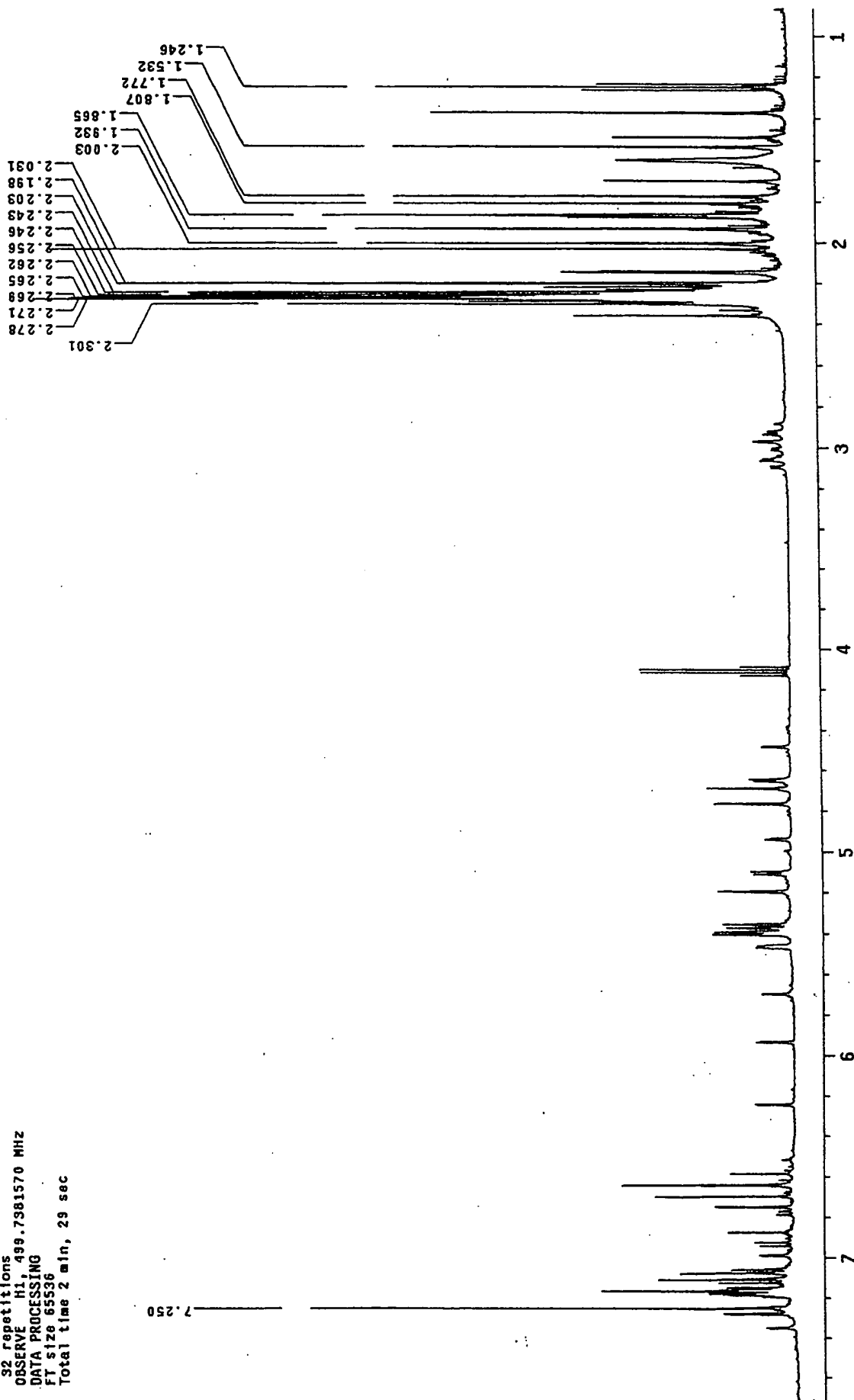


FIGURE 31

P88_22_11

Pulse Sequence: s2pul

Solvent: CDC13

Temp. 25.0 C / 298.1 K

User: 1-14-87

INOVA-500 "europa"

Relax. delay 1.500 sec

Pulse 54.0 degrees

Acq. time 1.423 sec

Width 23021.6 Hz

3424 repetitions

OBSERVE C13, 125.6592597 MHz

DECOUPLE H1, 499.7406365 MHz

Power 37 dB

on during acquisition

off during delay

WALTZ-16 modulated

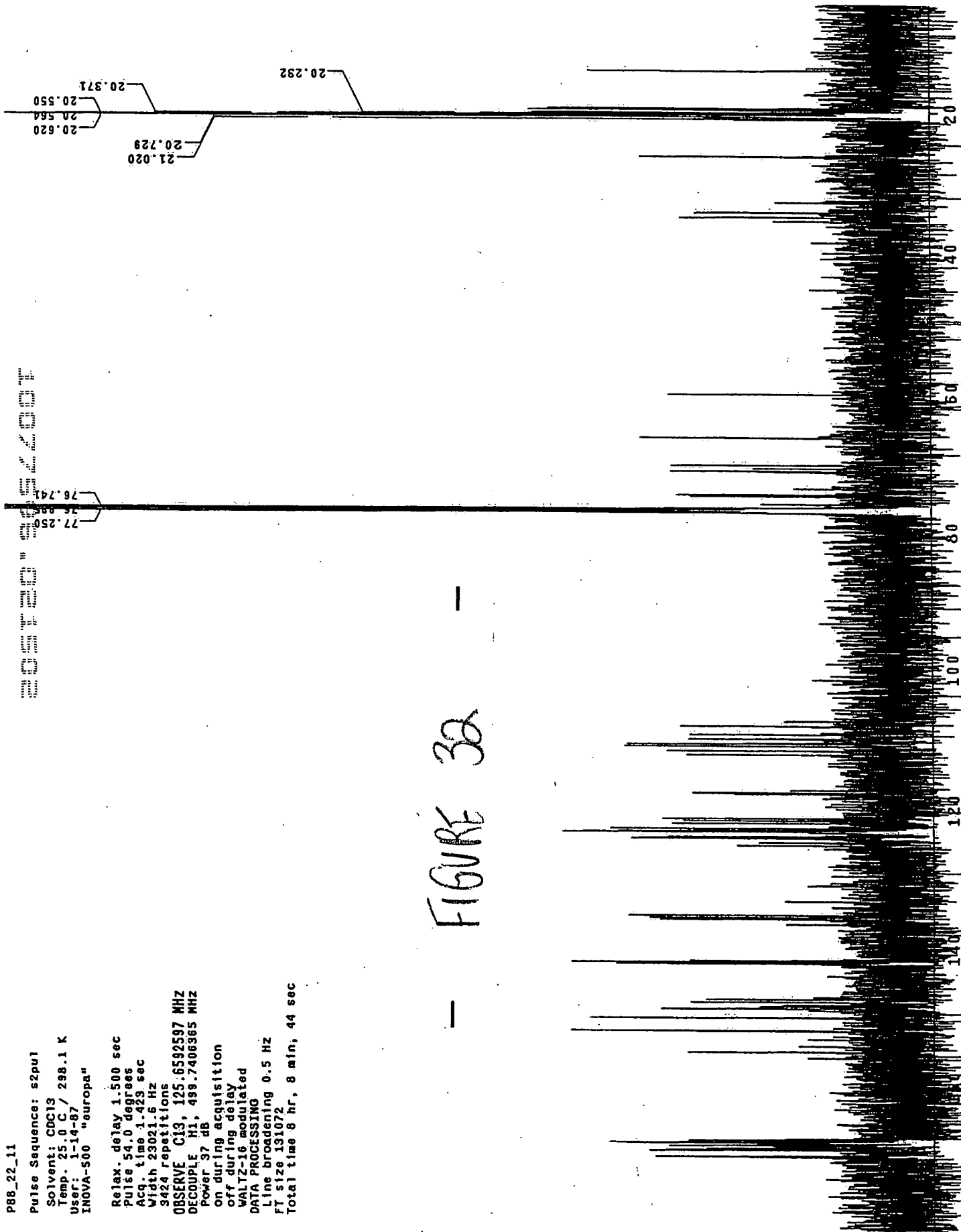
DATA PROCESSING

Line broadening 0.5 Hz

FI size 131072

Total time 8 hr, 8 min, 44 sec

— FIGURE 3a —



Pulse Sequence: CIGAR
 Solvent: CDCl₃
 Temp. 25.0 C / 298.1 K
 User: 1-14-87
 INOVA-500 "europa"

Relax. delay 1.000 sec
 Acq. time 0.229 sec
 Width 4467.0 Hz
 2D Width 23021.6 Hz
 32 repetitions
 256 increments
 OBSERVE H1, 499.7381570 MHz
 DATA PROCESSING
 Gauss apodization 0.115 sec
 Sine bell 0.115 sec
 F1 DATA PROCESSING
 Gauss apodization 0.011 sec
 Sine bell 0.007 sec
 FT size 2048 x 4096
 Total time 3 hr, 8 min, 41 sec

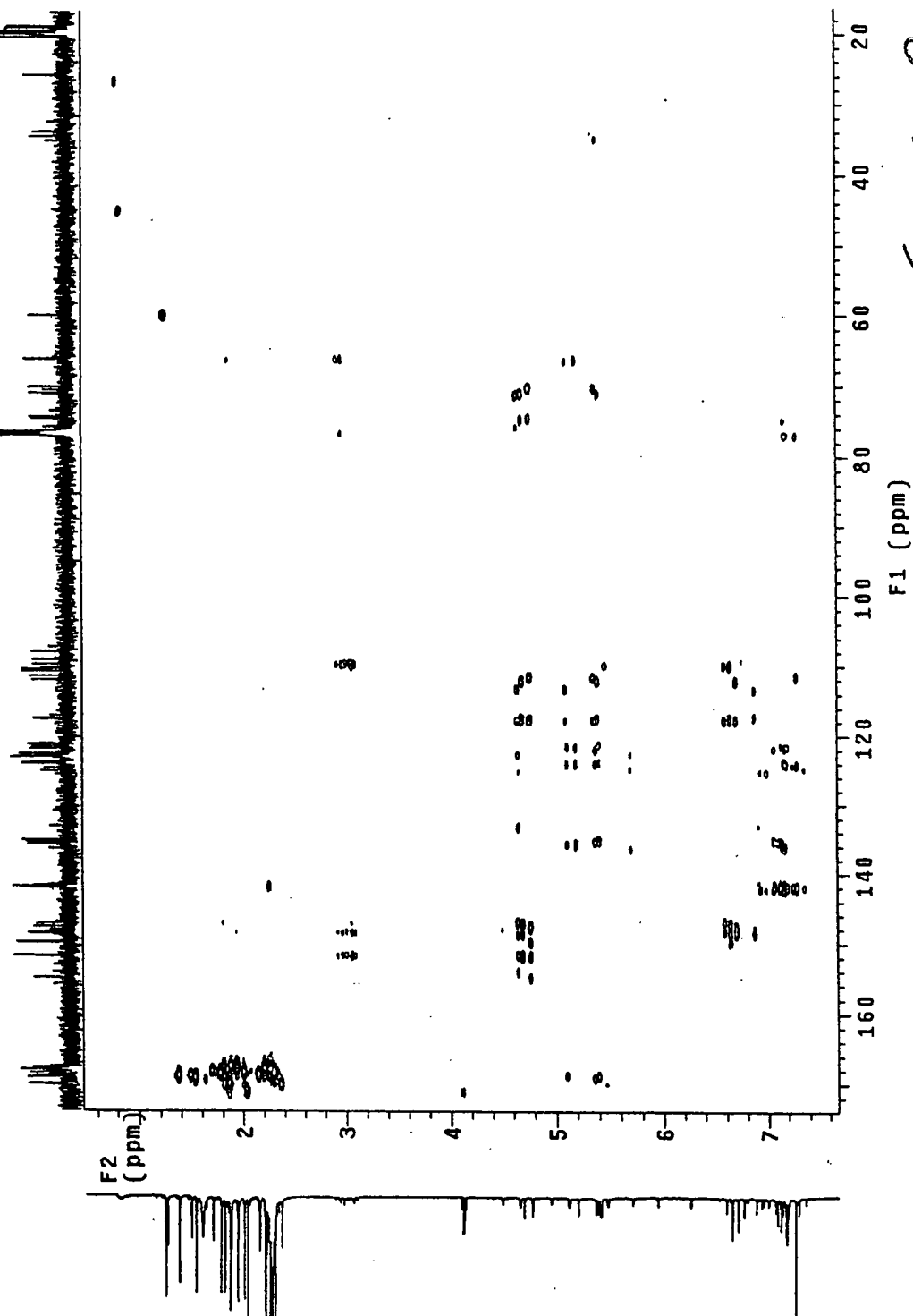
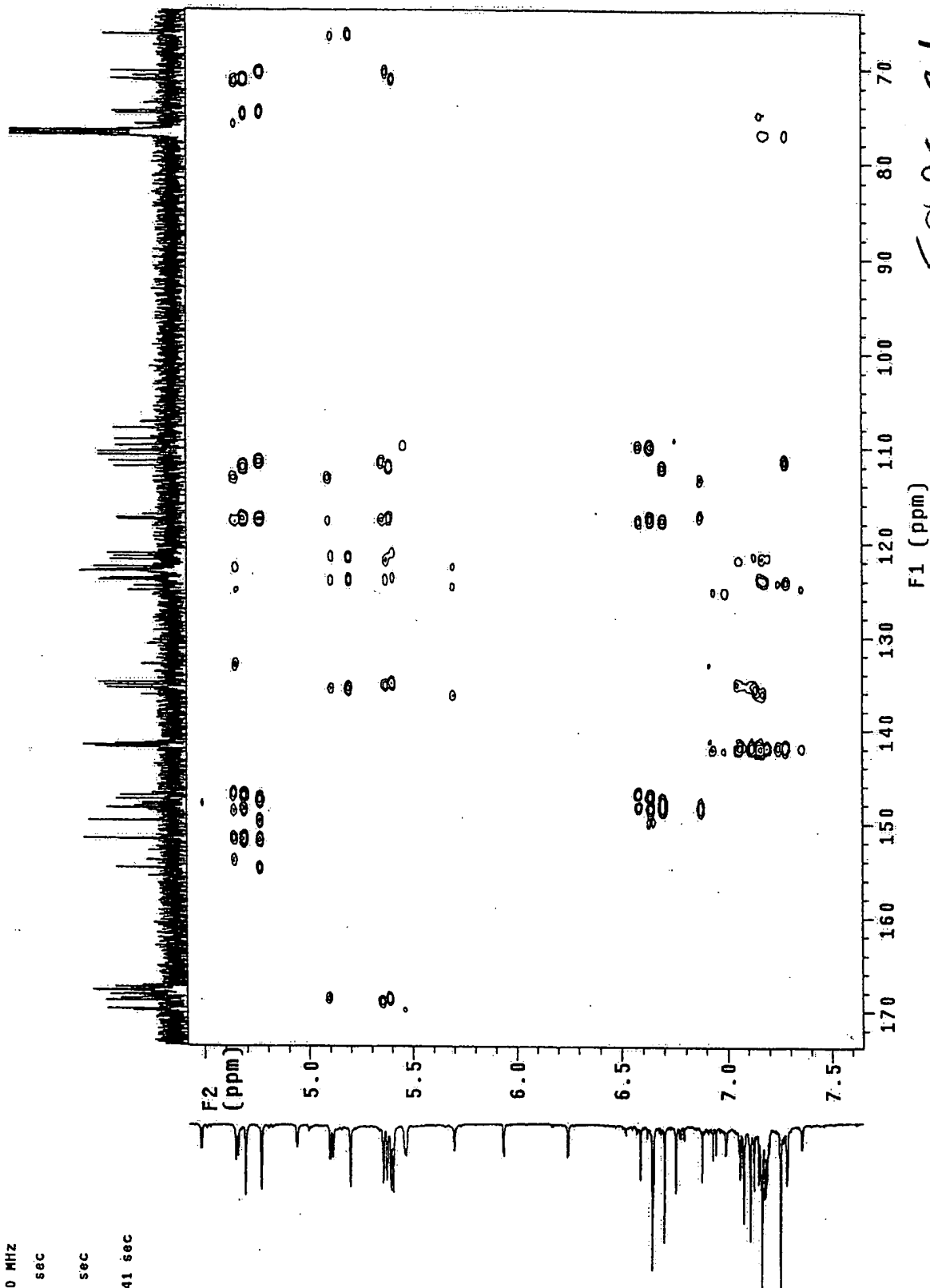


FIGURE 33

Pulse Sequence: CIGAR

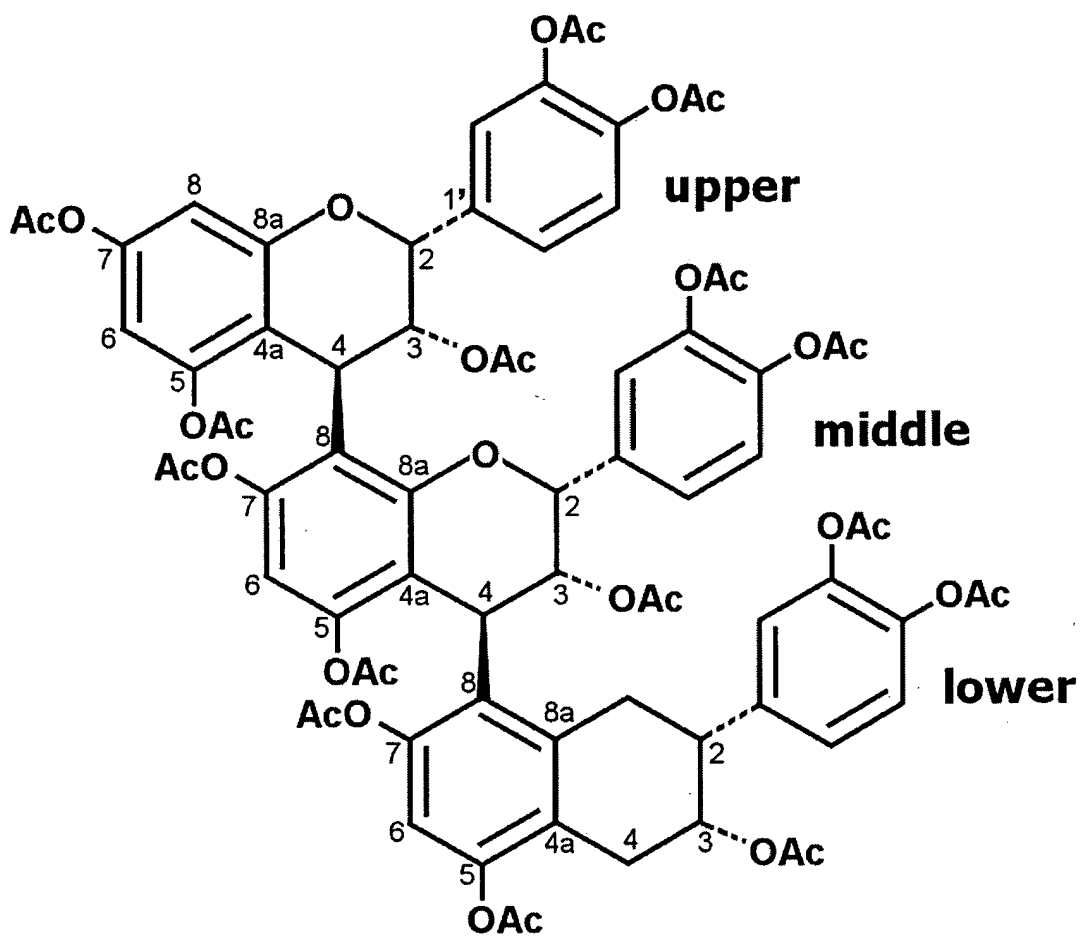
Solvent: CDCl₃
 Temp. 25.0 C / 298.1 K
 User: 1-14-87
 INOVA-500 "europa"

Relax. delay 1.000 sec
 Acq. time 0.229 sec
 Width 4467.0 Hz
 2D Width 23021.6 Hz
 32 repetitions
 255 increments
 OBSERVE H1, 499.7381570 MHz
 DATA PROCESSING
 Gauss apodization 0.115 sec
 Sine bell 0.115 sec
 F1 DATA PROCESSING
 Gauss apodization 0.011 sec
 Sine bell 0.007 sec
 FT size 2048 X 4096
 Total time 3 hr, 8 min, 41 sec



F1 (ppm)

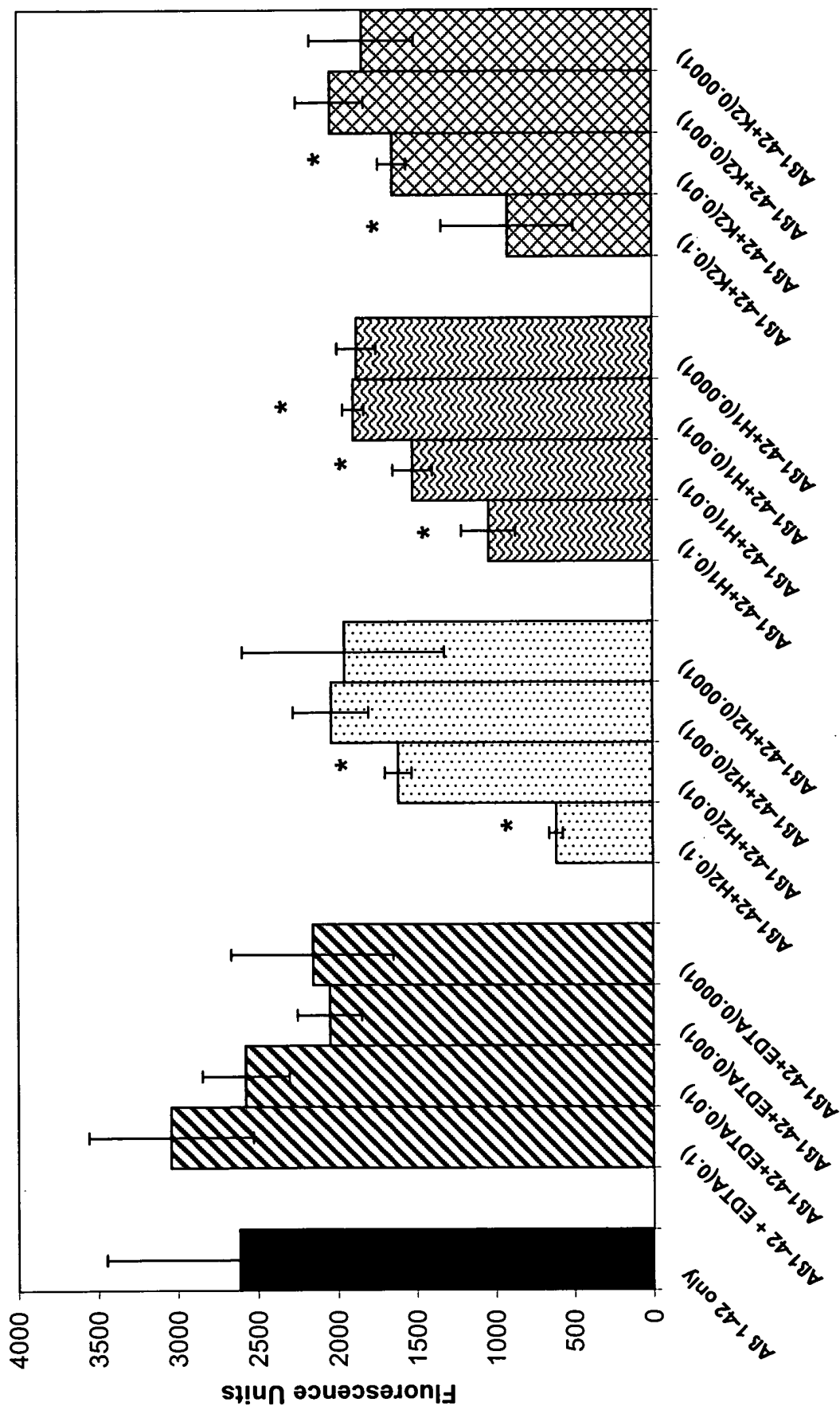
FIGURE 34



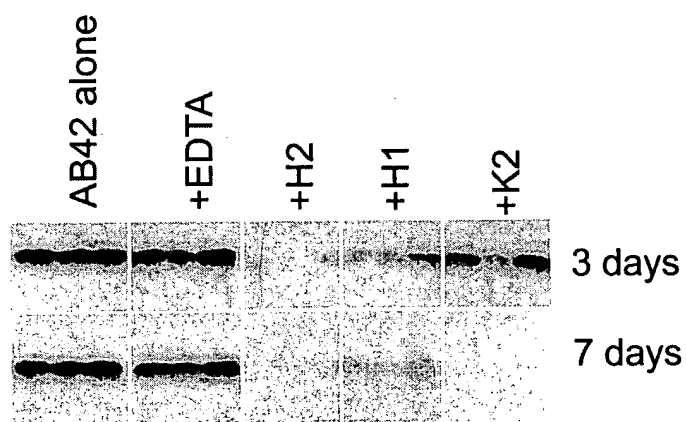
— FIGURE 35 —

The diagram illustrates the chemical structure of a trimeric flavan-3-ol, specifically a procyanidin. It consists of three repeating units labeled "upper", "middle", and "lower", which are linked together by C4-C8a bonds. Each unit is a flavan-3-ol core, featuring a catechol group at C2 and a hydroxyl group at C3. The units are linked by C4-C8a bonds. The "upper" unit has a hydroxyl group at C5, the "middle" unit has a hydroxyl group at C5, and the "lower" unit has a hydroxyl group at C5. The structure is labeled with carbons 2, 3, 4, 5, 6, 7, 8, 8a, 4a, and 1'.

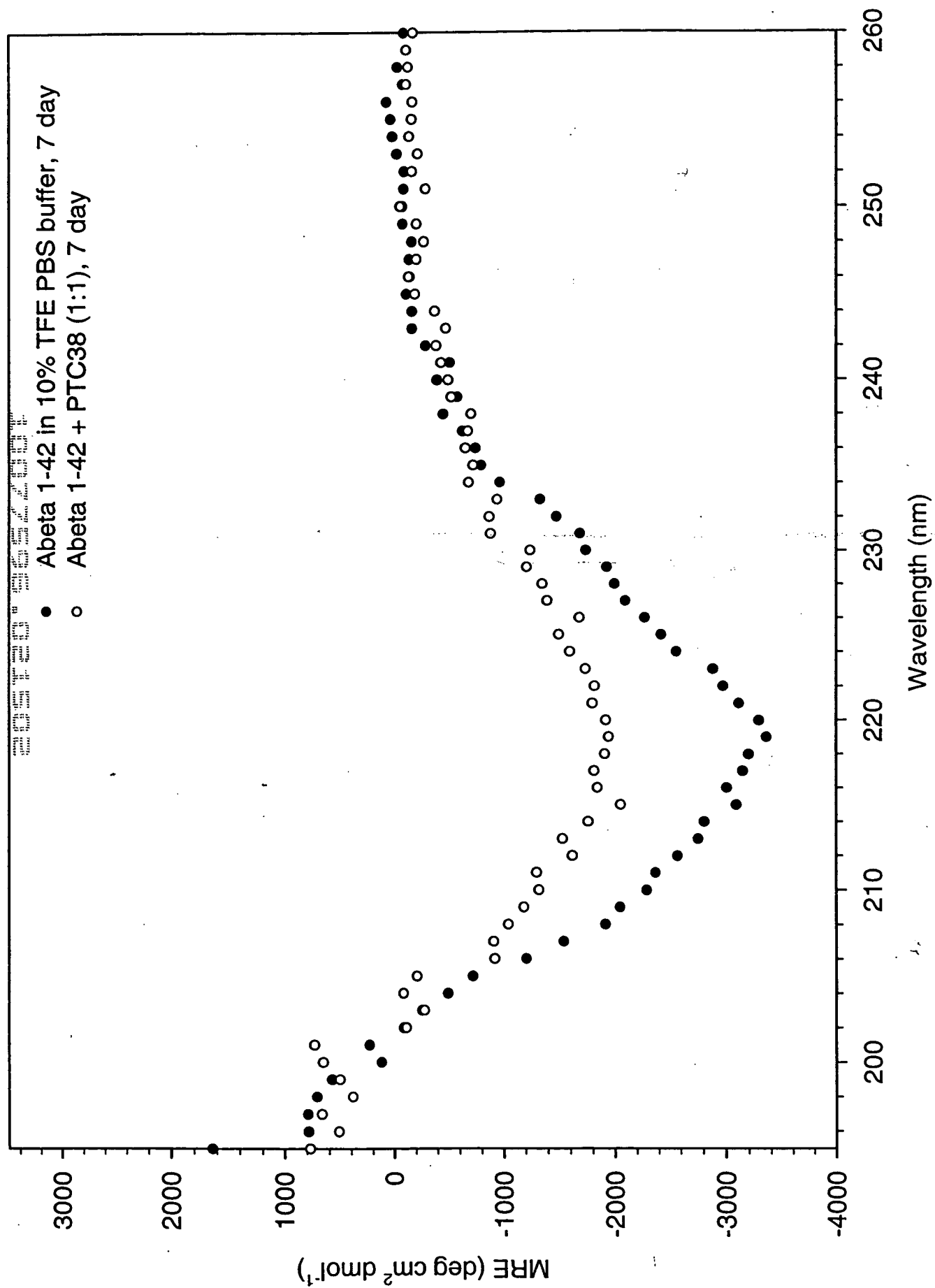
7 Days Thioflavin-T Assay



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— FIGURE 38 —



— FIGURE 39 —

2025-03-20 10:00

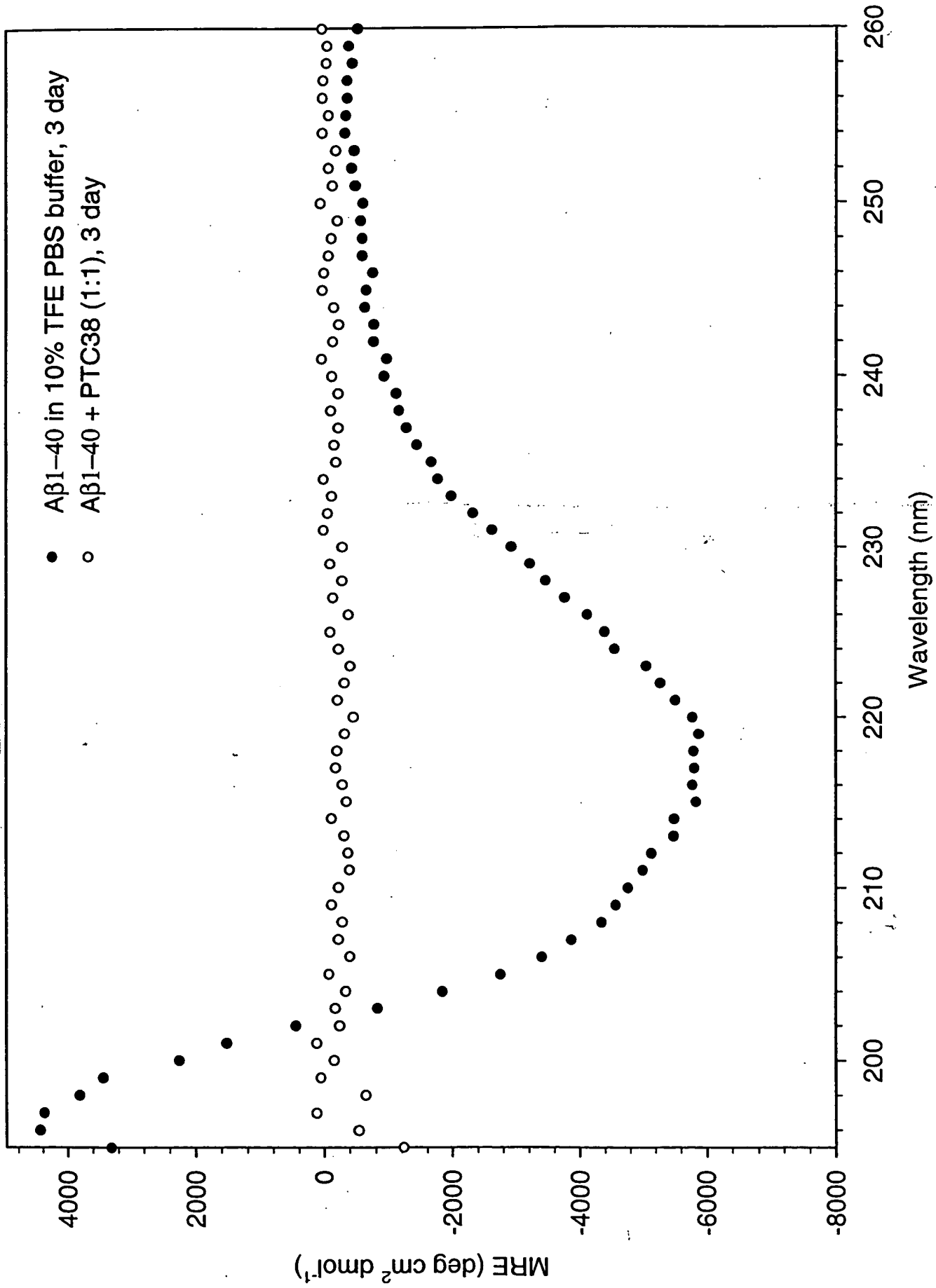


FIGURE 40

2025 11 11 10:00

7 Days Thioflavin-T Assay

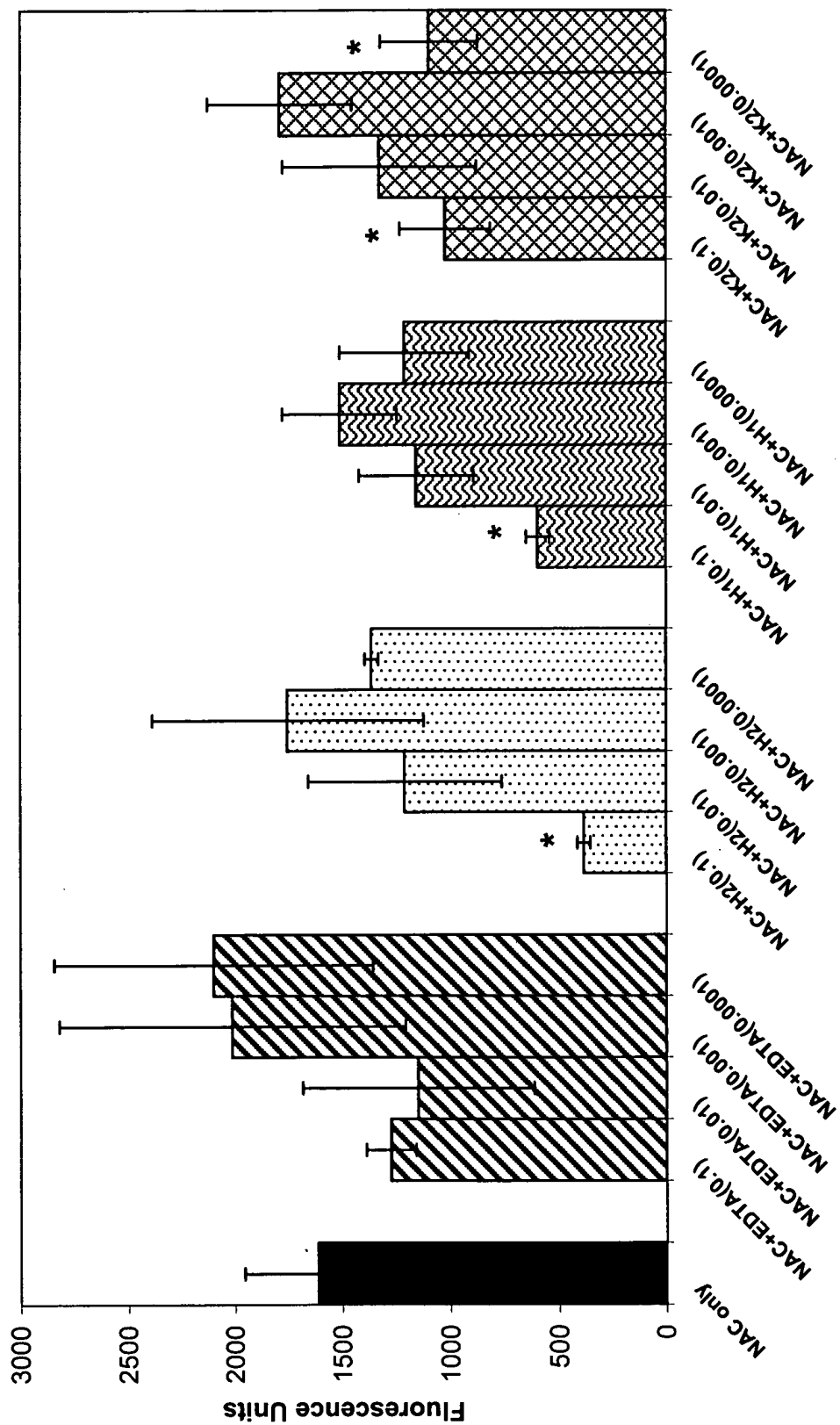


FIGURE 41

305120" 964.001

7 Days Thioflavin-T Assay

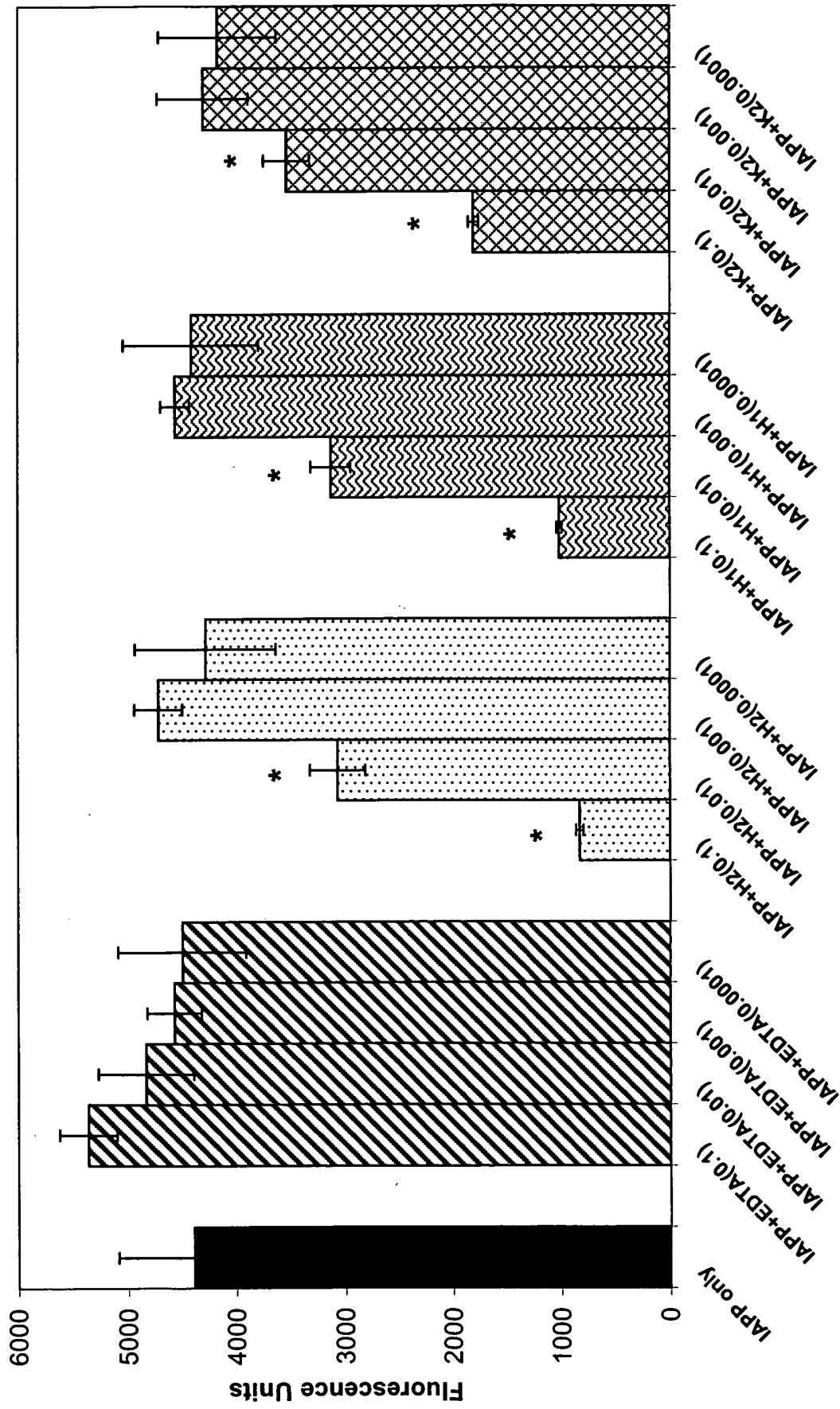


FIGURE 42

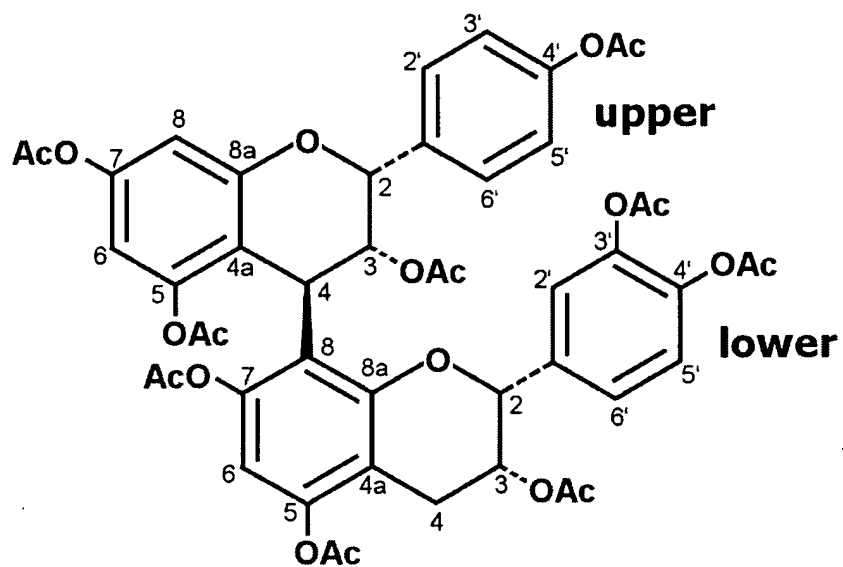


FIGURE 43

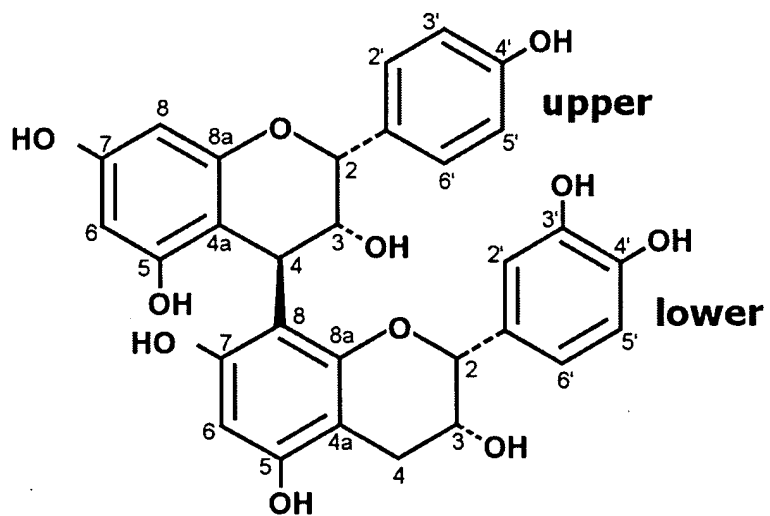


FIGURE 44

P88-27-40 100 ng INJECTED
CFCRI0087 28 (0.467)

TOF MS ES-
1.09e4

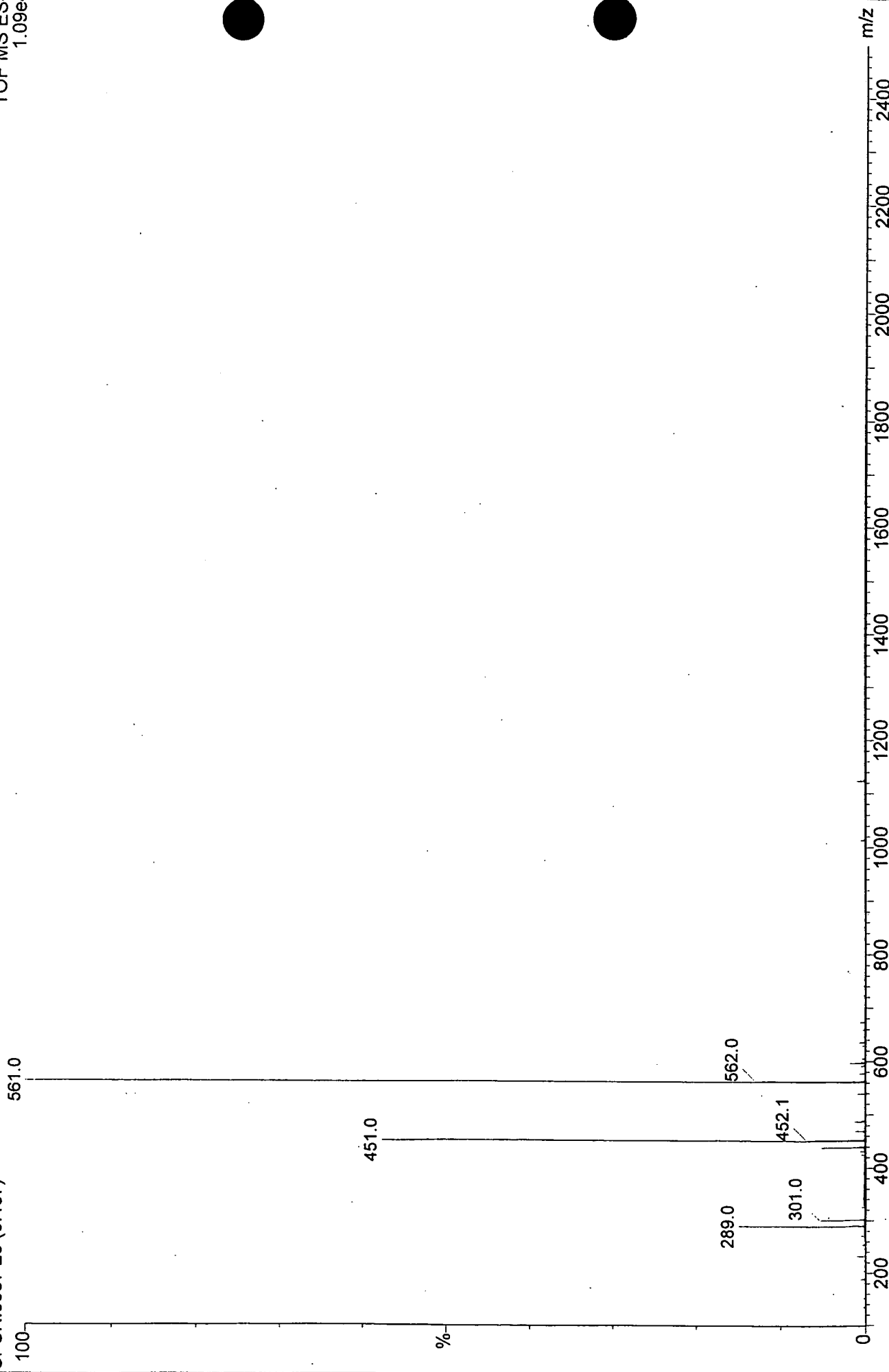
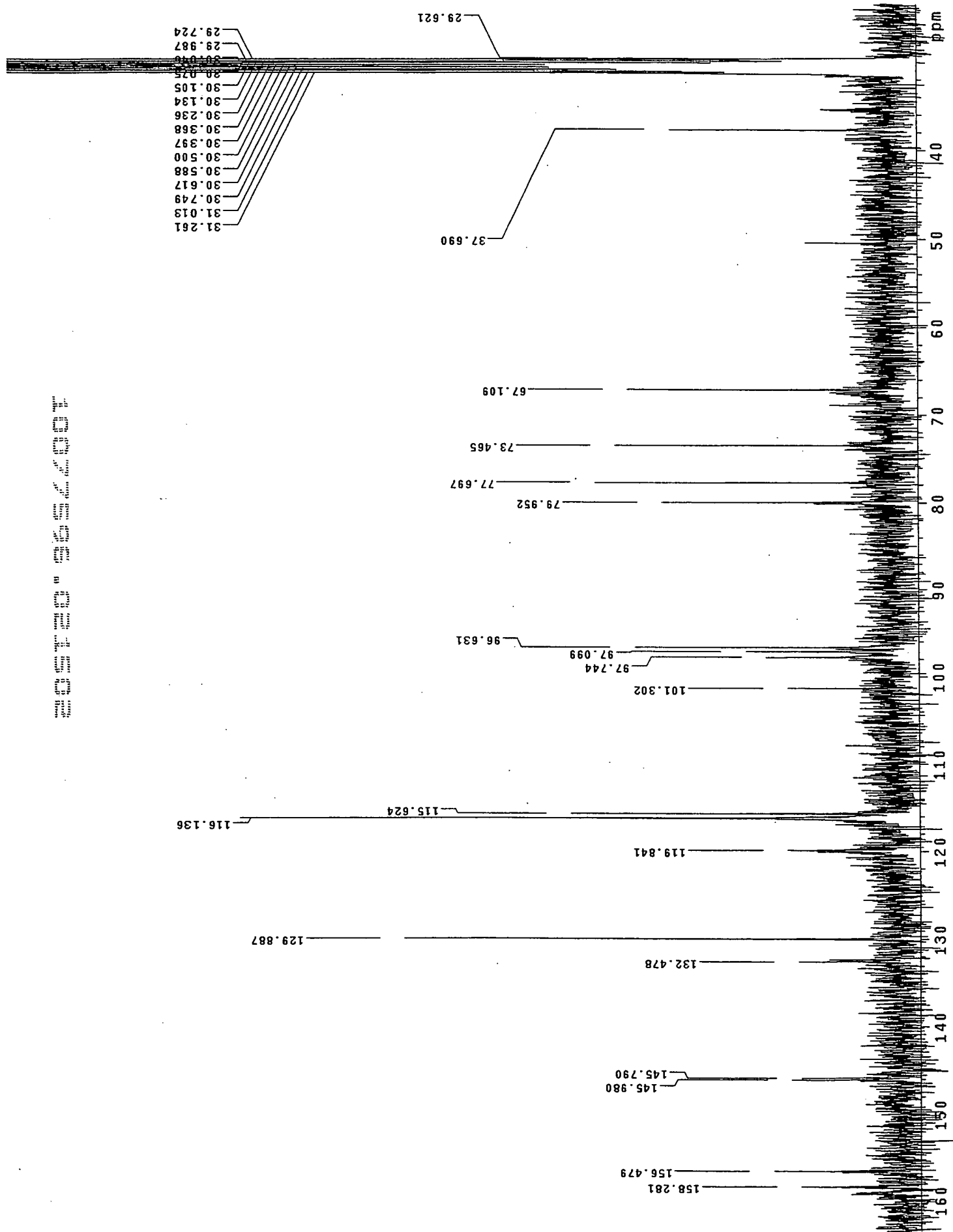


FIGURE 45

FIGURE 46



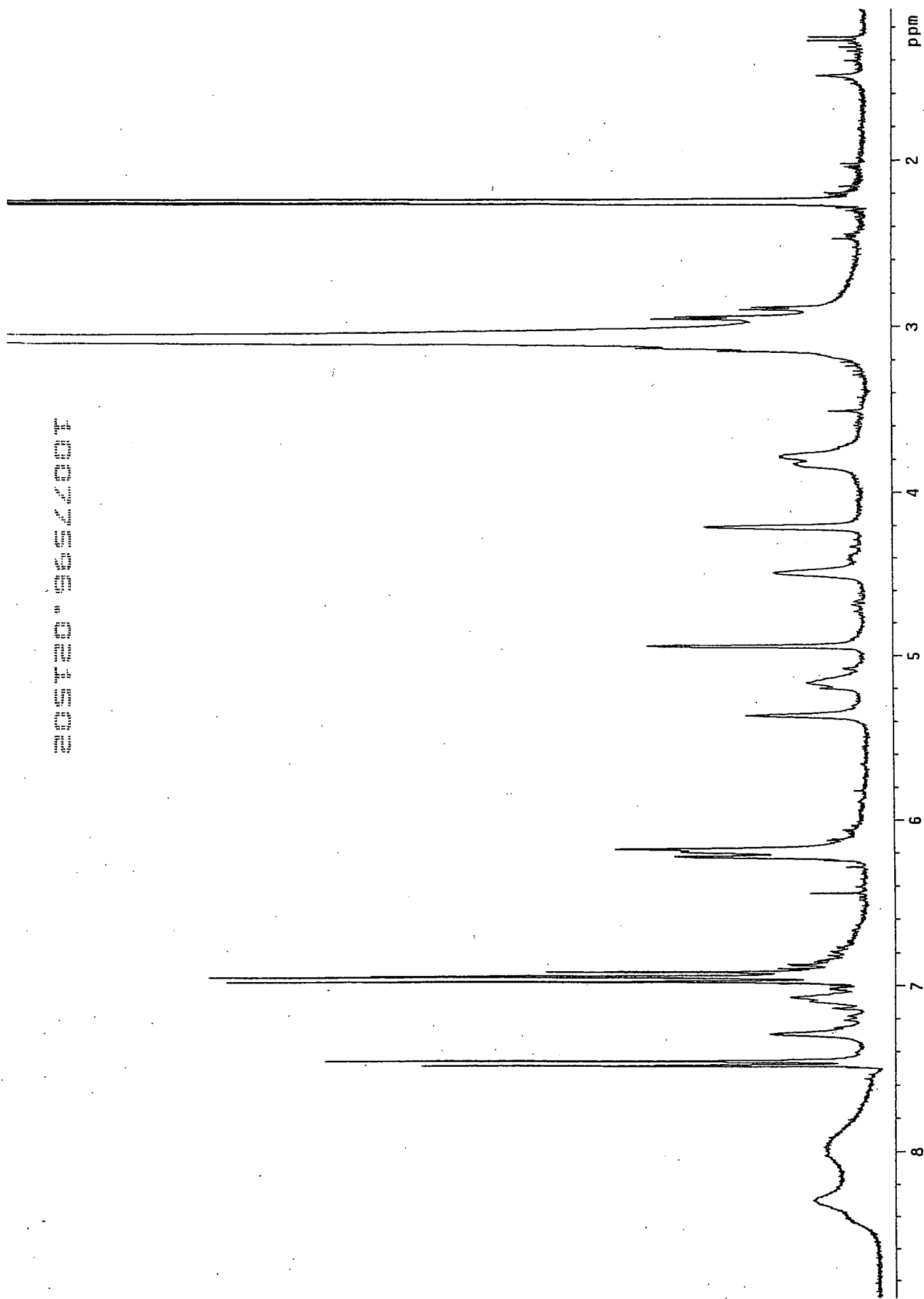


FIGURE 47

P88-27-40a

Pulse Sequence: s2pul

Solvent: CDC13

Temp. 25.0 C / 298.1 K

INQVA-500 "europa"

Relax. delay 1.000 sec

Pulse 54.0 degrees

Acq. time 9.185 sec

Width 5144.4 Hz

128 repetitions

OBSERVE H1, 499.7981577 MHz

DATA PROCESSING

FT size 65536

Total time 8 min, 56 sec

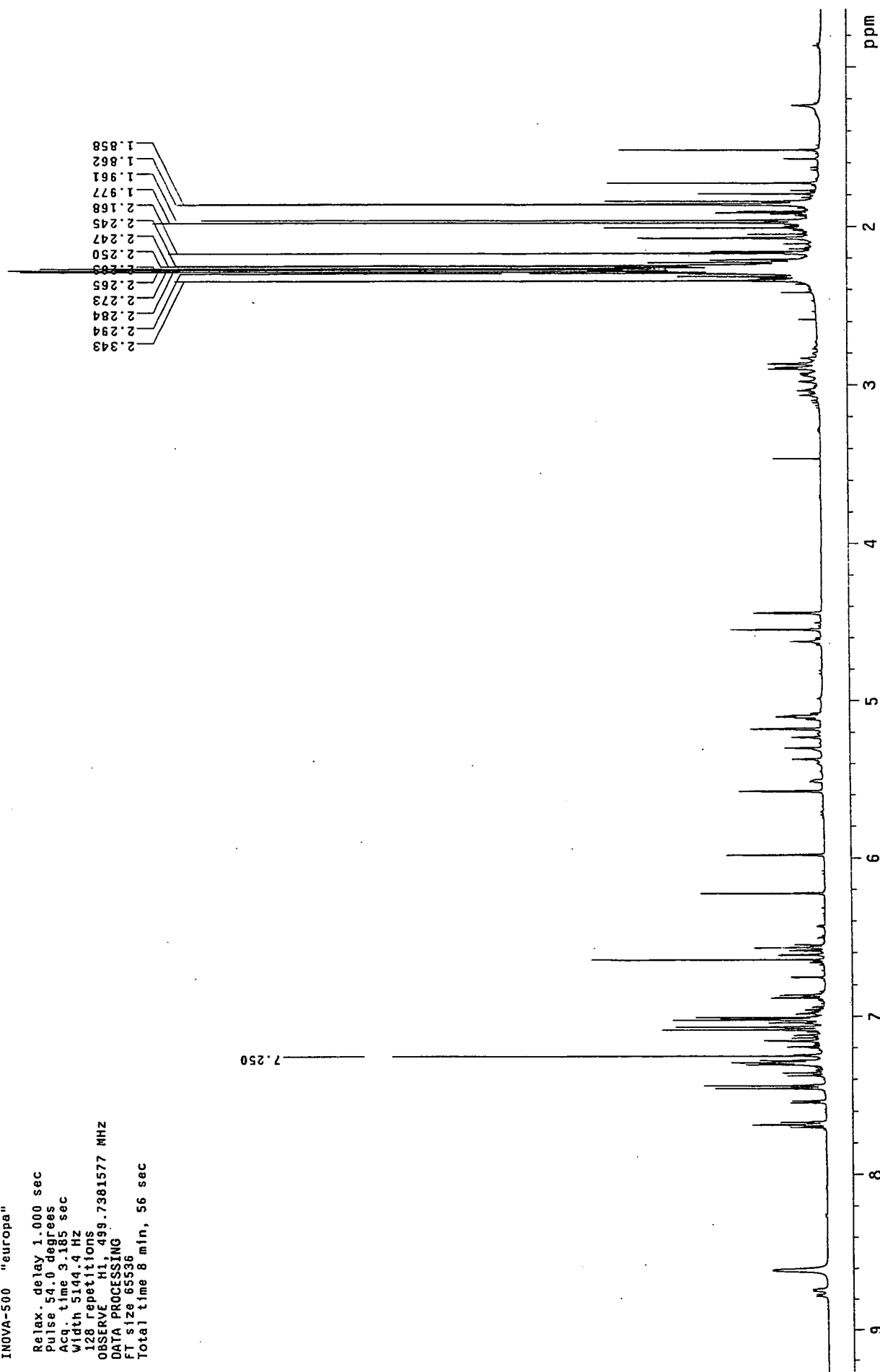


FIGURE 48

P88-27-40a

Pulse Sequence: s2pul

Solvent: CDCl₃

Temp: 25.0 C / 298.1 K

User: 1-14-87

INOVA-500 "europa"

Relax. delay 3.000 sec

Pulse 54.0 degrees

Acq. time 1.393 sec

Width 23529.4 Hz

16592 repetitions

OBSERVE C13, 125.6592609 MHz

DECOUPLE H1, 499.7406365 MHz

Power 31 dB

on during acquisition

off during delay

WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 131072

Total time 24 hr, 27 min, 15 sec

149.56

127.724

121.350

77.251

76.743

20.750

20.727

20.644

20.616

21.081

180 160 140 120 100 80 60 40 20 ppm

FIGURE 49

P88-27-40a

Pulse Sequence: CIGAR

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "europa"

Relax. delay 1.000 sec
Acq. time 0.199 sec
Width 5144.4 Hz
2D Width 23529.4 Hz
192 repetitions
256 increments

OBSERVE H1, 499.7381577 MHz
DATA PROCESSING
Gauss apodization 0.100 sec
Sine bell 0.100 sec
F1 DATA PROCESSING
Gauss apodization 0.011 sec
Sine bell 0.011 sec
FT size 2048 x 4096
Total time 18 hr, 23 min, 37 sec

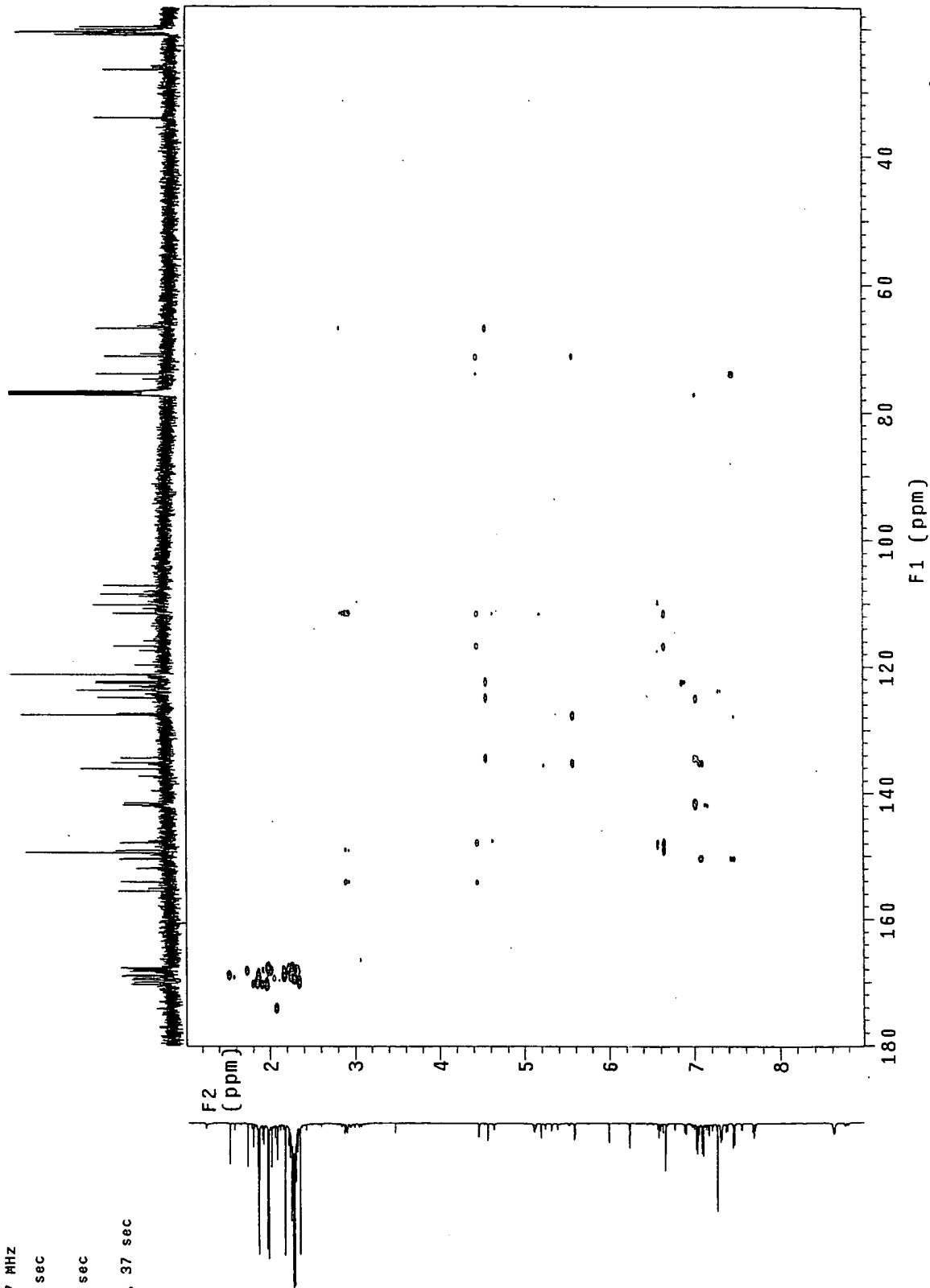


FIGURE 50

P88-27-40a

Pulse Sequence: CIGAR

Solvent: CDC13

Temp: 25.0 C / 298.1 K

File: P88_27_40a_cigar

WORKSTATION "ganymede"

PULSE SEQUENCE: CIGAR

Relax. delay 1.000 sec

Acq. time 0.199 sec

Width 5144.4 Hz

2D Width 23529.4 Hz

192 repetitions

256 increments

OBSERVE H1, 499.7381577 MHz

DATA PROCESSING

Gauss apodization 0.100 sec

Sine bell 0.100 sec

F1 DATA PROCESSING

Gauss apodization 0.011 sec

Sine bell 0.007 sec

FT size 2048 x 4096

Total time 18 hr, 23 min, 37 sec

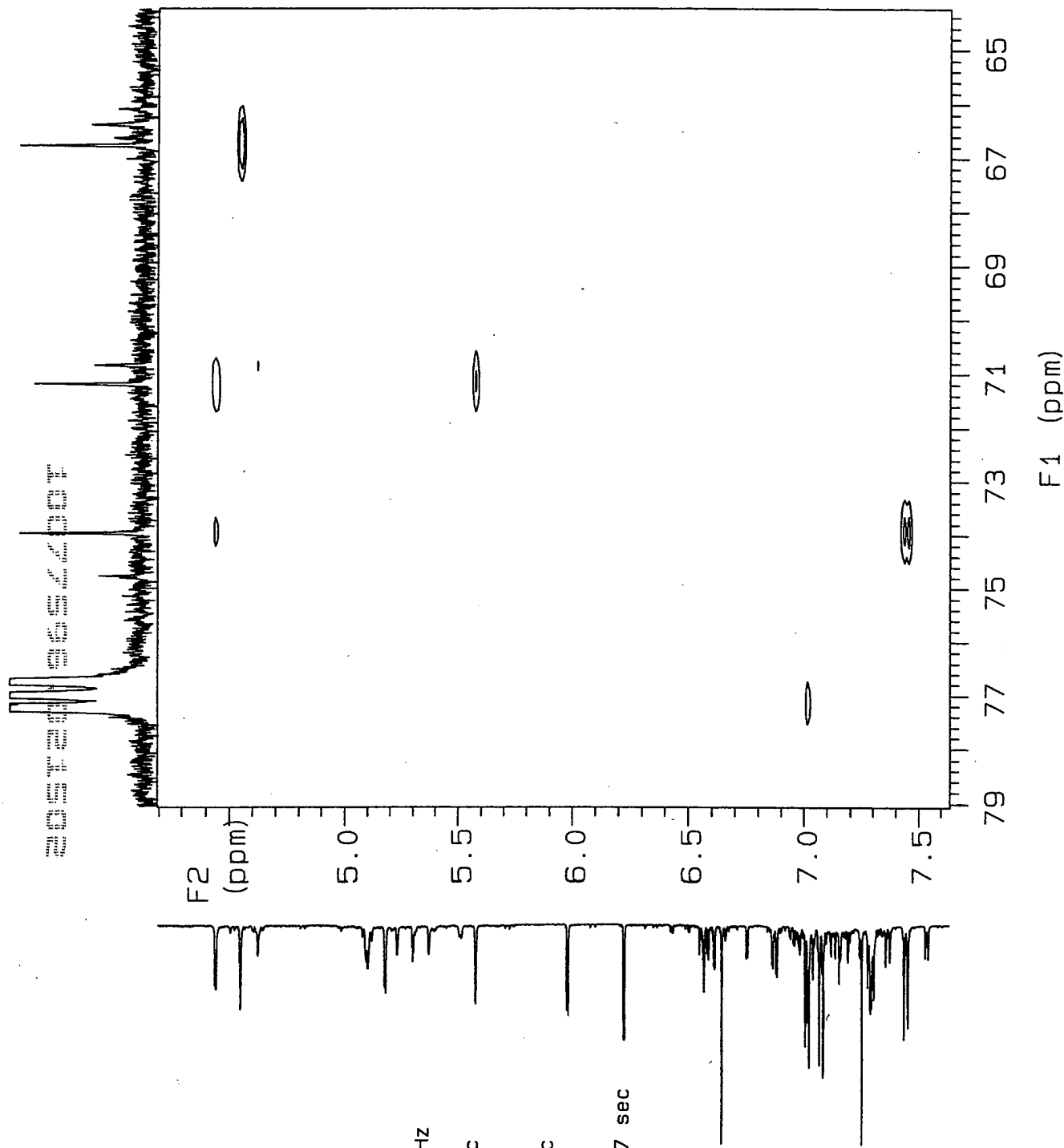


FIGURE 51

P88-27-40a

Pulse Sequence: CIGAR

Solvent: CDCl₃

Temp. 25.0 C / 298.1 K

File: P88_27_40a_cigar
WORKSTATION "ganymede"

PULSE SEQUENCE: CIGAR

Relax. delay 1.000 sec

Acq. time 0.199 sec

Width 5144.4 Hz

2D Width 23529.4 Hz

192 repetitions

256 increments

OBSERVE H1, 499.7381577 MHz

DATA PROCESSING

Gauss apodization 0.100 sec

Sine bell 0.100 sec

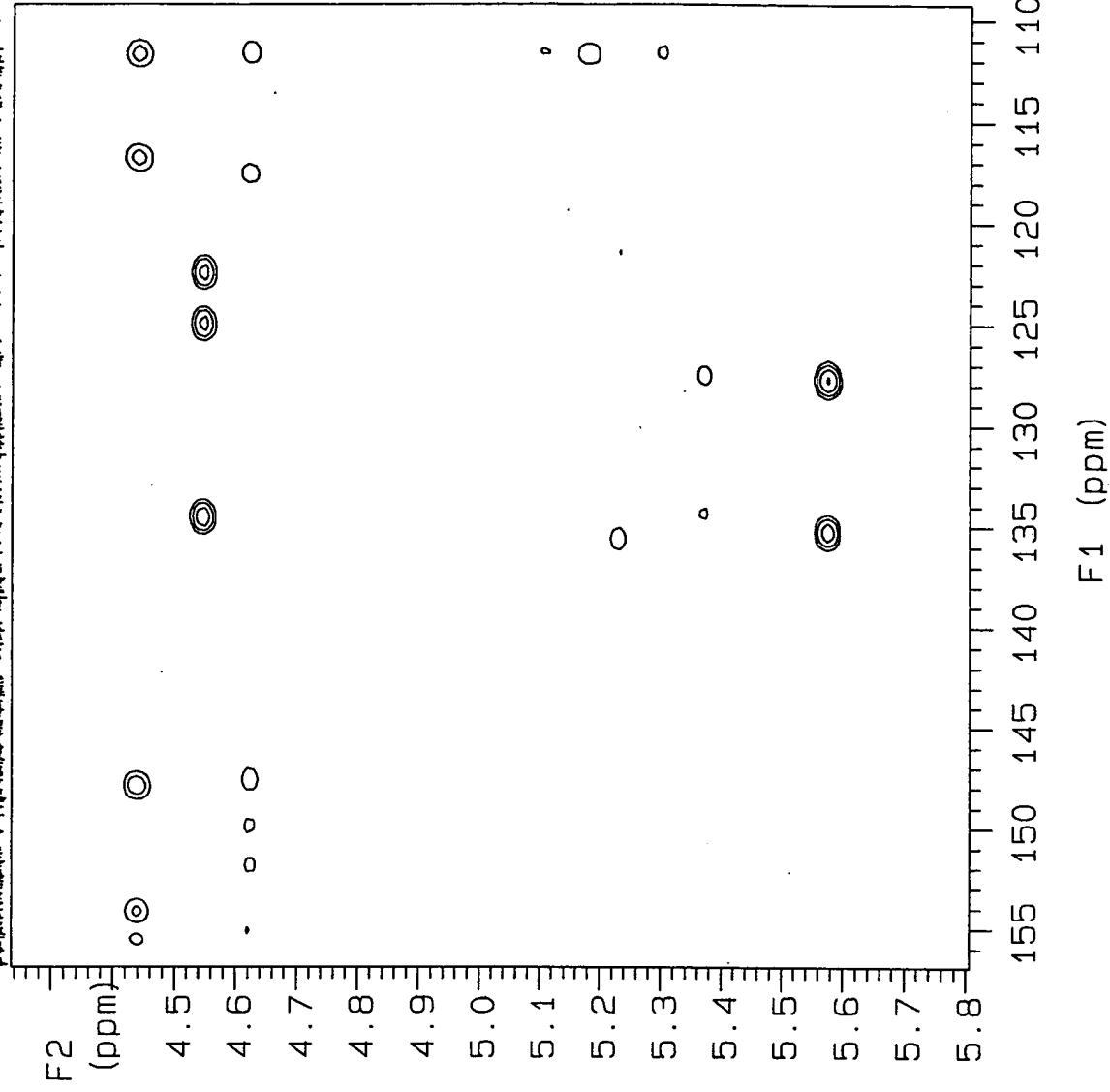
F1 DATA PROCESSING

Gauss apodization 0.011 sec

Sine bell 0.007 sec

FT size 2048 x 4096

Total time 18 hr, 23 min, 37 sec



P88-27-40a

Pulse Sequence: CIGAR

Solvent: CDCl₃

Temp. 25.0 C / 298.1 K

File: P88_27_40a_cigar
WORKSTATION "ganymede"

PULSE SEQUENCE: CIGAR

Relax. delay 1.000 sec

Acq. time 0.199 sec

Width 5144.4 Hz

2D Width 23529.4 Hz

192 repetitions

256 increments

OBSERVE H1, 499.7381577 MHz

DATA PROCESSING

Gauss apodization 0.100 sec

Sine bell 0.100 sec

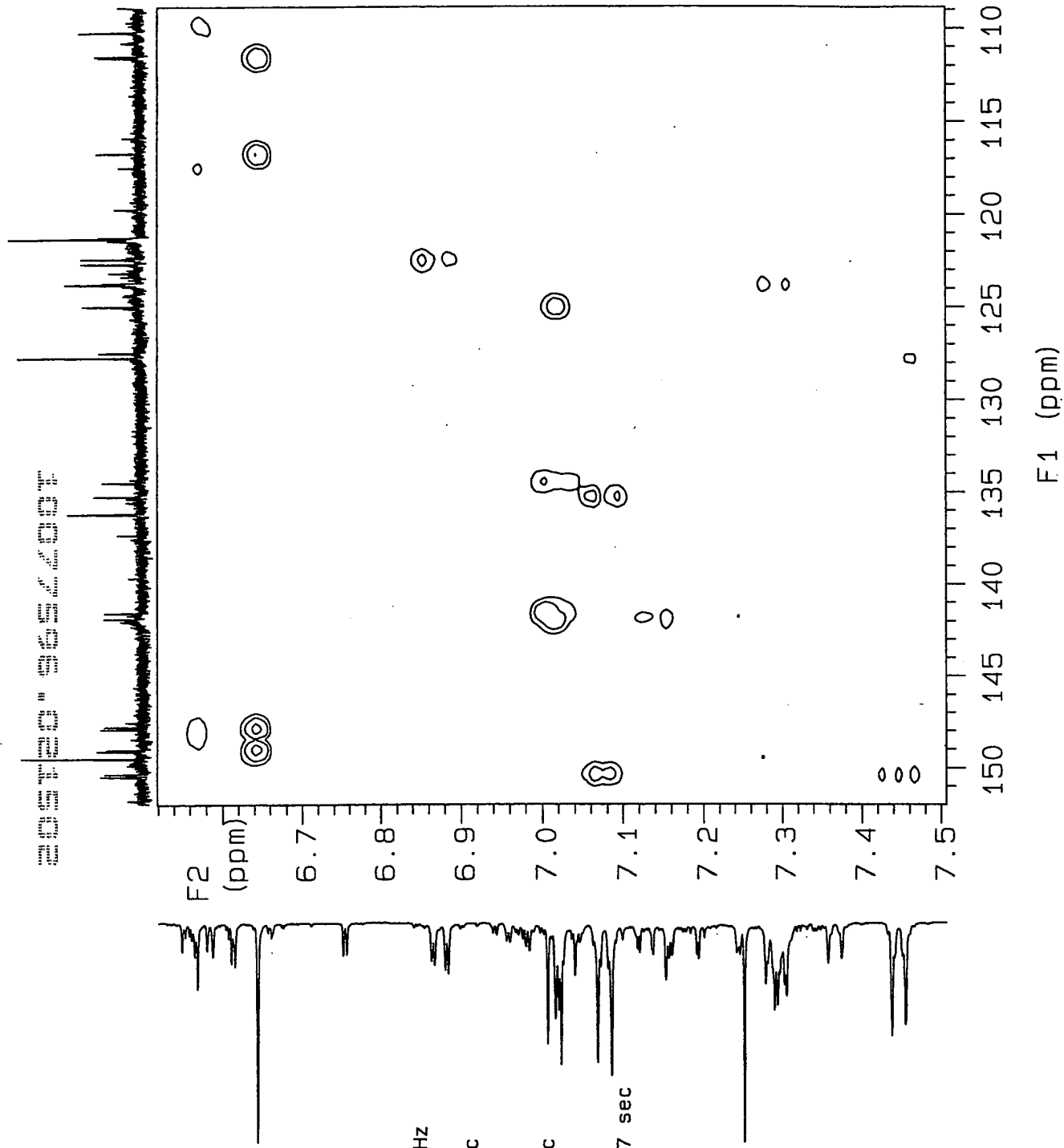
F1 DATA PROCESSING

Gauss apodization 0.011 sec

Sine bell 0.007 sec

FT size 2048 x 4096

Total time 18 hr, 23 min, 37 sec



F1 (ppm)

— FIGURE 53

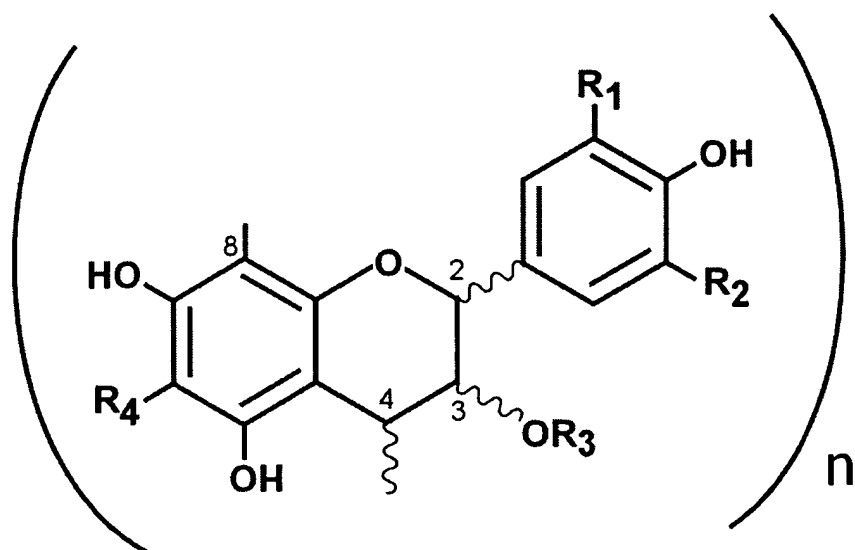


FIGURE 54

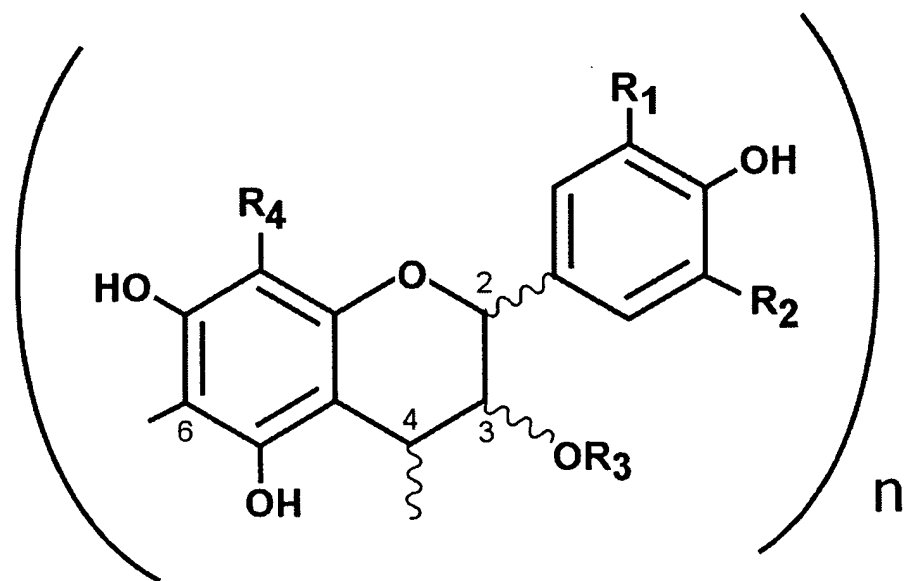


FIGURE 55

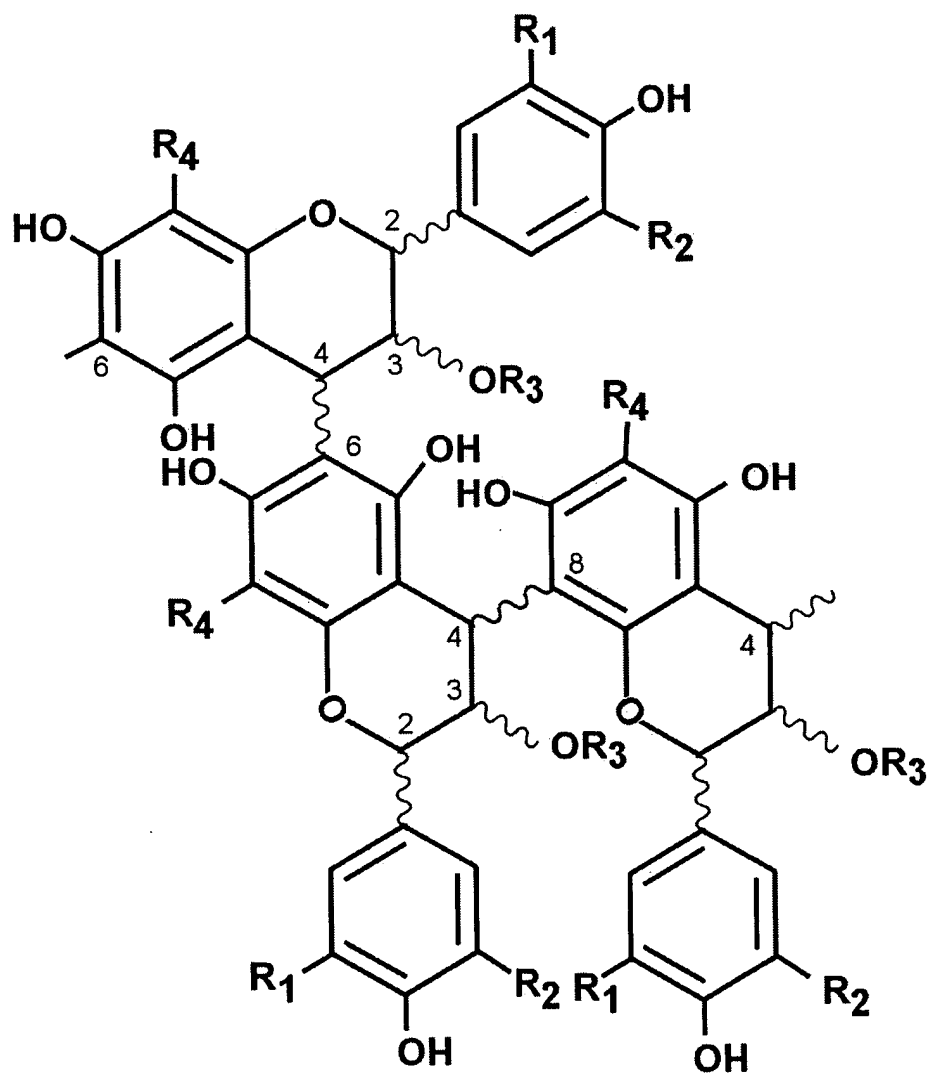


FIGURE 56

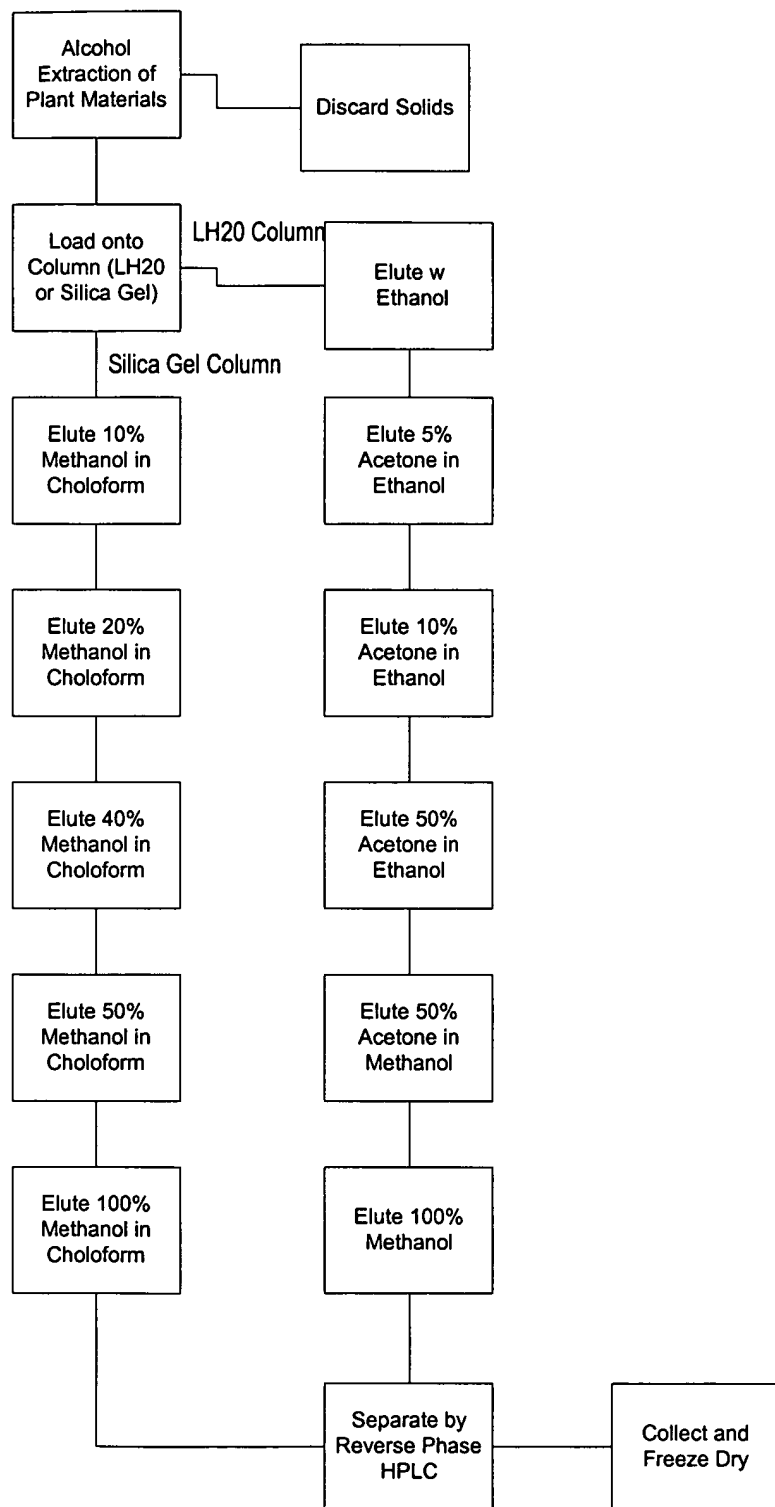


FIGURE 57